

THE HUB: ENHANCE YOUR VIDEOS ON THE CHEAP

A U S T R A L I A N

Macworld

ADAPTATION

BEING A MAC USER
IN A WINDOWS-
DOMINATED WORLD



\$6.95 inc GST
\$NZ8.50 inc GST



TEST DRIVE: LACIE BIG DISK EXTREME | LACIE MINI HUB HD | MAXTOR ONETOUCH III TURBO | IOMEGA STORCENTER WIRELESS | IOMEGA MINIMAX | NEWER TECHNOLOGY MINI STACK | EXPOSURE | PARALLELS DESKTOP FOR MAC

zCOVER®

fashionable protection cases

for iPod 5G



for Apple Remote

for iPod nano

Dress it, Express yourself.

A Leading Producer of Silicone Protectors
Trend-setting Fashionable Cases, Excellent Protection & Fit
Functionality with Elegance, Technology with Inspiration
Extraordinary Durability



AppleCentre



FREQUENCY
COMMUNICATIONS

iShop Cairns

MAC1

maccentric
Sydney's Leading Edge AppleCentres
www.maccentric.com.au



Total Recall Solutions

zCover.com

Macworld
AWARDS 2006

Nomination

Armband



Hard
Screen Protector



Rotary
Belt Clip



zPRINT Program Shortcut Key



other zCover products

Please visit www.zcover.com for detail on additional products

Proudly distributed by MacSense Australia

www.macsense.com.au
sales@macsense.com.au

02 9798 3288

MacSense
australia



zCover.com



AppleCentre



We've got it all!

Your local AppleCentre

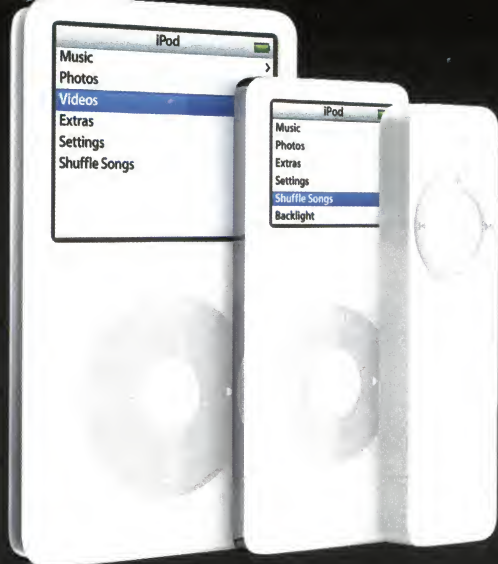
The centre of the Apple Universe!



AppleCentre

Find your local AppleCentre at

www.applecentrestore.com.au



ACT

AppleCentre Canberra City, Cnr Barry Drive & North Road, 02 6257 0808

AppleCentre Fyshwick, 178 Gladstone Street, 02 6280 0808

NSW

AppleCentre Balmain, 252 Darling Street, 02 9555 5200

AppleCentre Baulkham Hills, Shop 5, 350 Windsor Road, 02 9688 6066

AppleCentre Broadway, Cnr Glebe Point Rd & Broadway, Glebe, 02 8586 1111

AppleCentre Burwood, 41 Burwood Road, 02 8741 0700

AppleCentre Central Coast, 1/188 The Entrance Road, Erina, 02 4367 0838

AppleCentre Chatswood, 393 Victoria Avenue, 02 8440 6888

AppleCentre Coffs Harbour, 160a Pacific Highway, 02 6651 5655

AppleCentre Lismore, 57-59 Molesworth Street, 02 6622 8282

AppleCentre Newcastle, 38 Beaumont Street, 02 4965 3500

AppleCentre North Sydney, 222 Pacific Highway, 02 9951 7979

AppleCentre North Sydney Arthur St, Ground Floor, 146 Arthur Street, 02 9955 4422

AppleCentre Pymble, 10/859 Pacific Highway, 02 9144 4866

AppleCentre Sydney CBD, 66 Clarence Street, Sydney, 02 9367 8585

AppleCentre Taylor Square, 11-21 Flinders St, Taylor Square, 02 9332 8500

AppleCentre Wagga Wagga, 128 Baylis Street, 02 6971 7141

AppleCentre Warringah Mall, Shop 130, Warringah Mall, Old Pittwater Rd, 02 9938 9111

AppleCentre Wollongong, Cnr Crown and Kembla Streets, 02 4228 4999

QLD

AppleCentre Brisbane CBD, 260 Adelaide Street, 07 3220 0400

AppleCentre New Farm, 34 James Street, 07 3852 1666

AppleCentre Rockhampton, 90 Musgrave Street, 07 4927 0847

AppleCentre Surfers Paradise, Shop 7, Cnr Ashmore & Upton St, 07 5504 1000

SA

AppleCentre Adelaide, 162 Gouger Street, 08 8212 6445

AppleCentre CBD Adelaide, Shop G7a Rundle Mall Plaza, Cnr Rundle Mall & Gawler Place, 08 8410 8585

AppleCentre Glenunga, Shop 1, 315 Glen Osmond Road, 08 8338 7444

AppleCentre Norwood, Shop 5, 177-193 The Parade, 08 8333 0922

TAS

AppleCentre Hobart, 99 Liverpool Street (Corner of Criterion St), 03 6238 1000

VIC

AppleCentre Berwick, 22 Gloucester Avenue, 03 8768 4600

AppleCentre Bourke Street, 169 Bourke Street, Melbourne, 03 9639 9444

AppleCentre Chadstone, Chadstone Shopping Centre, Lower Level, 03 9568 8655

AppleCentre Chapel Street, 409 Chapel Street, 03 9827 5011

AppleCentre Elizabeth Street, 399 Elizabeth Street, Melbourne, 03 9329 3911

AppleCentre Elsternwick, 327 Glenhuntly Road, 03 9530 0110

AppleCentre Flinders Street, 172-192 Flinders Street, Melbourne, 03 9662 9666

AppleCentre Geelong, 255 Moorabool Street, 03 5223 1550

AppleCentre Ivanhoe, 71 Upper Heidelberg Road, 03 9497 4011

AppleCentre Malvern, 1465 Malvern Road, 03 9824 8544

AppleCentre Moonee Ponds, 1 Puckle Street, 03 9372 8899

AppleCentre Richmond, 42 Bridge Road, 03 9429 5002

AppleCentre South Melbourne, 64 Clarendon Street, 03 9684 3600

AppleCentre Whitehorse, 546 Whitehorse Road, Mont Albert, 03 9898 9344

WA

AppleCentre Albany, Shop 6, 69 Lockyer Avenue, 08 9842 9660

AppleCentre Nedlands, 104 Stirling Highway, 08 9389 0400

AppleCentre Joondalup, 10/7 Delage Street, 08 9301 5333

AppleCentre Mount Hawthorn, Shop 5, 148 Scarborough Beach Rd, 08 9444 9988

AppleCentre Perth, Shop 45, Carillon City Arcade 207 Murray Street, 08 9324 3455

 **AppleCentre**



Designwyse has the Solutions

With over 30,000 different products to help you create & produce!



Apple iMac Computers

Apple iMacs now come standard with the new super fast Intel Core Duo processors. You can run Windows software at native speeds with the Bootcamp or Parallels software options. Software includes Mac OS X 10.x, iMovie HD, iPhoto, iDVD, GarageBand, iWeb, iTunes, 3D Games, Front Row, PhotoBooth & more!

17" 1.83GHz Intel 512/160GB ..\$1945
8 x S/Drive, Airport & Bluetooth

20" 2GHz Intel 512/250GB\$2545
8 x DL S/Drive, Airport & Bluetooth

Add Bootcamp & Windows XP\$295

Ask for this special MACWORLD discount pricing and YES, we'll match or better other prices!

Apple Laptop Computers

All Apple Laptops now come with Intel Core Duo Processors and lots of bundled software!

13.3" MacBook 1.83GHz\$1699

Intel 512/60GB, Combo Drive - White

13.3" MacBook 2GHz\$2049

Intel 512/60GB, SuperDrive - White

13.3" MacBook 2GHz\$2349

Intel 512/80GB, SuperDrive - Black

15.4" MacBook Pro 2GHz\$3099

Intel 512 Ram/80GB, SuperDrive

15.4" MacBook Pro 2.16GHz ..\$3899

Intel 1GB Ram/100GB, SuperDrive

17" MacBook Pro 2.16GHz\$4299

Intel 1GB Ram/120GB, SuperDrive

PowerMac G5 Workstations

Dual and Quad Core PowerMac G5s are powerful work horses. They're the best choice for running Adobe Creative Suite software in fast native mode. Safe, fast and reliable.

Dual 2GHz G5 512/160GB\$3099
16 x DL S/Drive, GeForce 6600 LE

Dual 2.3GHz G5 512/250GB\$3899
16 x DL S/Drive, GeForce 6600/256

Quad 2.5GHz G5 512/160GB\$5199
16 x DL S/Drive, GeForce 6600/256

Apple 20" Cinema Display\$1209

Apple 23" Cinema Display\$2049

Apple 30" Cinema Display\$3869

Ask for our MACWORLD package price

Apple Xserve/XRaid Solutions

The Xserve G5 offers high powered computer power in a feature-dense 1U server with dual 64-bit G5 processors at speeds of up to 2.3GHz. An award-winning UNIX-based server operating system with unlimited clients, up to 1.5TB storage. Get enterprise-class features and stability.

Single 2GHz G5 1GB/80GB\$4739
Dual Gigabit Enet, Combo Drive

Dual 2.3GHz G5 1GB/80GB\$6469
Dual Gigabit Enet, Combo Drive

Xserve RAID 3.5TB\$13489

Xserve RAID 7TB\$21499

Mac OS X Server (10 user)\$669

Mac OS X Server (Unlimited)\$1459



Fuji Xerox Printers
Thinking Printing



MS



MAX POWER BY TECH

Apple Software Packages

Mac OS X v10.4.6 "Tiger"\$175

iLife 06\$109

iWork 06\$109

.Mac Membership - 1 Year\$130

Final Cut Studio 5.1\$1829

Final Cut Express 3.5\$415

Remote Desktop 3 (10 User)\$389

Remote Desktop 3 (Unlimited)\$679

Aperture 1.1\$429

Logic Pro 7.2\$1339

Logic Express 7.2\$469

Xerox - Colour Laser Printers

Xerox Phaser 7750DN A3+\$9999
A4/A3+. Prints on plain/glossy paper/card. Paper calibration feature. Up to 35 ppm for colour and B&W, 12 month Onsite Warranty. 100BaseT Ethernet. Best quality.

Xerox Phaser A3+ 7750GX\$11,550

Xerox Phaser A3+ 7750DXF\$15,950

SPECIAL OFFER - EXTRA Set of Toners and Extended 3 Yr Warranty - FREE!

Xerox DocuPrint C4350 A3\$6200
A4/A3, 256MB, 35ppm colour 45ppm B&W, Adobe PS3, 12 month Onsite Warranty. 100BaseT Ethernet.

IceCube/M9 - Ext Hard Disks

High quality external hard drives with long manufacturer warranty on drive mechanisms

IceCube II 250GB Firewire400\$255

IceCube II 320GB Firewire400\$330

IceCube II 320GB Firewire800/400/USB2/eSATA\$399

IceCube II 500GB Firewire400/USB2/eSATA\$635

IceCube II 750GB Firewire400/USB2/eSATA\$885

M9 250GB Drive (Mac Mini size) 3xFW400 ports, 3 port USB Hub . \$275

M9 320GB (Mac Mini size) 3xFW400 ports, 3 port USB Hub . \$345

RAID Storage Devices

The new generation of EzyRaid. The SR6500 is the ultimate in cost effective high performance raid, when the integrity of your data is your highest priority.

Radion SR3600 500GB (2x250 Drives) Firewire800/USB2\$989

Radion SR3600 800GB (2x400 Drives) Firewire800/USB2\$1385

Radion SR6500 1TB (5x200 Drives) Firewire800/USB2/eSata\$2385

Radion SR6500 2TB (5x400 Drives) Firewire800/USB2/eSata\$3750

Radion SR6500 2.5TB (5x500 Drives) Firewire800/USB2/eSata\$4785



Authorised Reseller

4/200 Princes Highway
Dandenong VIC 3175

Website: www.designwyse.com.au

Email: sales@designwyse.com.au



QuarkXPress Version 7.0

QuarkXPress Version 7 is a powerful layout program with an intuitive, versatile interface that lets you combine writing, editing, and typography with colour and pictures to produce dynamic final output.

QuarkXPress is widely used by magazines, newspapers, advertising agencies, typesetters, printers, corporate publishers, design firms, catalogue houses, book publishers, and form designers.

Version 7 adds many new features such as smart transparency, job jackets, shared content, composition zone technology, enhanced tables plus much more.

QuarkXPress 7 (Mac or PC)\$1675

Upgrade from v3,4,5,6 to v 7.....\$550

Streamline Your Business

Streamline is the solution every production manager has been waiting for. It combines the best contact, quoting and purchase order systems with time entry and work in progress functionality that any account manager can also rely on.

Streamline is also the answer when taming the creative person - ensuring they have a bullet proof way of capturing time on any project. Streamline multiuser systems run on a Mac or PC. Filemaker network and can be run at multiple locations over a VPN. Please call for more info or a demo disk.

Streamline Single User Pack ..\$1815

Streamline Branch License.....\$1100

Streamline Per User License.....\$715

Canon Large Format Printers

Canon's new range of large format printers produce stunning photographic quality prints or banners in widths of 17" to 60". Canons unique Lucia pigment inks provide excellent colour stability and durability and the 12 colour models include Red Green and Blue inks for a greater colour Gamut and have both the matte black and photo black inks loaded at the same time, eliminating waste from swapping cartridges. Special Intro pricing is shown below, and YES, we will match or better other prices.

Canon iPF500 17" 5 Colour\$2525

Canon iPF5000 17" 12 Col\$2965

Canon iPF600 24" 5 Colour ...\$3735

Canon iPF700 36" 5 Colour ...\$4725

Canon iPF9000 60" 12 Col...\$25850

Epson Large Format Printers

Designwyse is one of Australia's leading Epson Large format resellers. Epson's UltraChrome K3 Inks are now available on a wide range of printers from A4 up to a massive 44" wide. Epson Printers are particularly well suited to the digital proofing and photographic markets, and their inks are stable and have a long life. Designwyse Special pricing is shown below and they all come with a free roll of media. Designwyse will match or better other quotes for Epson Large Format Printers.

Epson Photo R2400 A3 8 Col..\$1650

Epson Pro 4800 17" 8 Col.....\$2995

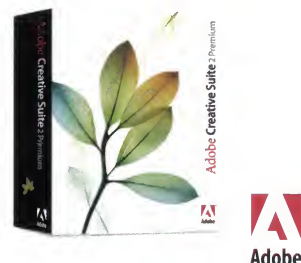
Epson Pro 4800 17" 8 Col.....\$2995

Epson Pro 7800 24" 8 Col.....\$5495

Epson Pro 9800 44" 8 Col....\$11295

for Pre-Press and Publishing

From software to storage, we've got everything for the Creative Professional



LaCie - Storage & Displays

LaCie 160GB FireWire External HD in Porsche P3 Casing\$199

LaCie 250GB FireWire External HD in Porsche P3 Casing\$259

LaCie 1000GB 7200rpm d2 BigDisk USB2.0 & FireWire & F800\$985

LaCie 80GB 2.5" 5400rpm Red Brick casing USB2.0 & FireWire\$259

LaCie 120GB 2.5" 5400rpm Blue Brick casing USB2.0 & FireWire\$345

LaCie BIGGEST RAID 1.6TB 4X400GB HD USB2.0 & FireWire 800\$2379

LaCie BIGGEST RAID 2TB 4X500GB HD USB2.0 & FireWire 800\$2949

LaCie 319 with Hood + Blue eye Pro 19" LCD monitor with hood.....\$1749

LaCie 321 with Hood + Blue eye Pro 21" LCD monitor with hood.....\$3299

LinoType - Font Collections

LinoType 1.7 Gold Edition

For bureaus, publishers, agencies, design studios. Boxed twin CD set. Customised 10 user licence. Over 3,900 typefaces. MULTI-PLATFORM - Windows and Mac.

10 User licence\$7645

SPECIAL OFFER - Fee iPod Nano 2GB worth \$299 with each Gold Edition v1.7

LinoType ITC Full Library\$4950

From classic to modern - 1034 fonts

LinoType Essentials Vol 1&2 ...\$1649

The basis for your type library - 289 fonts

LinoType Fresh Cream\$979

Modern, fun and display fonts - 113 fonts

LinoType Essentials + Fresh ...\$1900

Essentials 1&2 + Fresh Cream - Great Value!

Wacom Graphic Tablets

Wacom Cintiq Dtz-2100

21" LCD Graphics Tablet/display. Draw on the actual LCD display for instant feedback and accurate viewing. Demonstrations available.\$4199

Wacom Intuos3

Standard surface digitising tablet with USB interface and erasing pressure sensitive pen

4x5 USB Tablet.....\$319

6x8 USB Tablet.....\$479

9x12 USB Tablet.....\$619

Wacom Graphire 3

Entry level graphics, photo/video editing

4x5 USB Tablet.....\$129

6x8 USB Tablet.....\$245

Adobe Software Packages

Adobe CS2 Premium.....\$1,950

Acrobat Pro7, Illustrator 12, Photoshop 9, GoLive 8, InDesign 4, Version Cue, Adobe Stock Photos and Adobe Bridge.

Upgrade from any Photoshop version ...\$1232

Upgrade from Creative Suite 1\$869

Adobe Acrobat 7 Pro\$695

Adobe Photoshop CS2

Upgrade from any full version of Photoshop version (not LE or Elements)\$319

Adobe Illustrator CS2

Upgrade from Illustrator CS\$299

Adobe InDesign CS2

Upgrade from InDesign\$305

IN MELBOURNE CALL

FREECALL - NO CHARGE

9706 8858

1800 334 684

Designwyse
Professional Computer Solutions

2006 CREATE:AWARDS STREET PARTY

PRINCIPALLY SPONSORED BY
jupiterimages™
your search ends here

DATE: FRIDAY 25 AUGUST 2006

TIME: 7:30PM

**VENUE: SUMAC, SHED 6A
SOUTH WHARF- SOUTHBANK**

TICKETS: \$95 PER TICKET

DRESS: SMART & STYLISH

**GREAT PRIZES
TO BE WON
ON THE NIGHT**

**HOSTED BY FUNNY MAN
DAVE CALLAN**



**BOOK BEFORE
30TH JULY
FOR ENTRY TO
WIN A VIP
PRIZE PACKAGE**

CREATE

**FOR MORE INFORMATION:
ALLISON.LEVINSON@NICHE.COM.AU
WWW.CREATEAWARDS.COM.AU
OR CALL ALLISON ON 03 9525 5566**

PRINCIPALLY SPONSORED BY
jupiterimages™
your search ends here

EMAIL: _____

9. _____ 10. _____

☐ BANKCARD ☐ AMEX ☐ VISA ☐ MASTERCARD ☐ DINERS CLUB

CARDHOLDER'S SIGNATURE _____

PLEASE SEND THIS FORM WITH PAYMENT TO: **FREE FAX** 1800 802 326 **POST** NICHE MEDIA, PO BOX 2043 ST KILDA WEST VIC 3182

BOOKING FORM ALSO AVAILABLE VIA WEBSITE: WWW.CREATEAWARDS.COM.AU

AGIdeas



\$5 Million Clearance Sale at Next Byte



Final Stock Clearance of PowerPC PowerBooks and iMacs*

iMac G5 20" (MA064X/A) **Save \$350! Now \$2,299**
2.1GHz, 1GB Memory, 250GB Hard Drive, SuperDrive **14 Only!**

PowerBook 15" (M9969X/A) **Save \$800! Now \$2,399**
1.67GHz, 512MB Memory, 80GB Hard Drive, SuperDrive **34 Only!**

*Only available while stocks last!

MacBook Pro Massive Price Drop!*

15.4" 1.8GHz (MA463X/A) **Save \$400! Now \$2,799**
1.83GHz Intel Core Duo, 512MB Ram, 80GB Hard Drive, SuperDrive **14 only!**

15.4" 2.0GHz (MA464X/A) **Save \$400! Now \$3,599**
2.0GHz Intel Core Duo, 1GB Ram, 100GB Hard Drive, SuperDrive **54 only!**

New Sydney Store!

Next Byte is proud to announce the acquisition of our new Broadway Store. The store is in a prime location and has a team of talented staff as well as a Platinum Level Service Centre just around the corner.

- iPods in stock 365 days a year
- Australia's largest and most awarded Apple Reseller
- Free training with every computer purchase
- Platinum-level service
- Massive Stock Holdings!



Next Byte AppleCentre Broadway

Cnr Glebe Point & Broadway
Glebe NSW 2037

p: (02) 8586 1111

f: (02) 9552 1109

e: broadway@nextbyte.com.au

Microsoft Office

Microsoft Office for home, school or business.

Save up to \$250!*



*Offer extended to 31/7/06 or while stocks last

RentSmart with Next Byte

Why buy when you can rent and save?



RENTSMART
Because buying isn't

Next Byte In-store Events

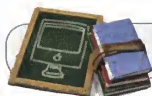
www.nextbyte.com.au



iPod Nano Accessory kit

Essential accessories for iPod Nano. Includes silicon case, nano guard, car charger, & RCA cable.

only \$39!



Free introductory training - With every Macintosh purchase from Next Byte you will receive 12 months of training from our Mac experts

Australia's Macintosh Specialists

SA Adelaide - Head Office 08 8338 7444 **Adelaide CBD** 08 8410 8585 **TAS** Hobart 03 6238 1000

VIC Elizabeth St. CBD 03 9329 3911 **Bourke St. CBD** 03 9639 9444 **Richmond** 03 9429 5002

NSW Sydney CBD 02 9367 8585 **Baulkham Hills** 02 9688 6066 **Pymble** 02 9144 4866 **Balmain** 02 9555 5200

Broadway 02 8586 1111 **QLD** Brisbane 07 3220 0400 **Surfers Paradise** 07 5504 1000 **WA** Nedlands 08 9389 0400

Rounding differences may occur. All graphics are for illustration purposes only. Next Byte reserves the right to change prices & or adjust models according to availability of stock without prior notice. Errors and Omissions Excluded.

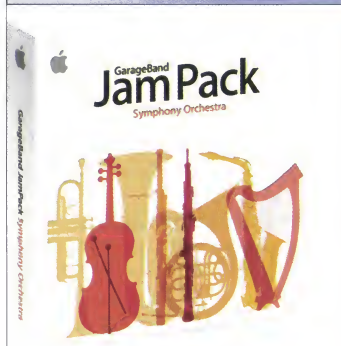


local call 1300 361 119

www.nextbyte.com.au

Subscribe to our weekly email news
nextbyteenews-feed@nextbyte.com.au





Focus.

032

Living in a Windows world

By John Rizzo

A few of our favourite tips for getting along with the Other Side — techniques, hacks, and utilities to help you fit in so seamlessly that your Windows-using colleagues won't even know, much less care, that you're using a Mac.

The Hub.

Video.

043

Enhance your movies with royalty-free footage and audio effects

Photo.

049

Panasonic and Sony hit the dSLR market

Music.

053

Best music-related Dashboard widgets

Mobile.

056

The latest from Sony Ericsson

How to.

Keep safe on the road

060

Mobile backup tips

Help folder

062

Queries and tips from our readers



Buzz.

WWDC preview 021

As the world's Mac developers prepare to meet in San Francisco, we take a look at the crystal ball to see what announcements may be in store. A sneak peek at Leopard is a given, but what hardware announcements might also be in the offing?

Interface.

Commentary 014

Mailbox 017

Off the Net 029

Re:Seller 030

NetWorth 040

Education 059

ReadMe 064

Soapbox 082

Test drive.

LaCie Big Disk Extreme 1TB 1/2

LaCie mini Hub HD 1/2

Maxtor OneTouch III Turbo 1/2

iomega StorCenter Wireless 1/2

iomega MiniMax 1/2

Newer Technology MiniStack 1/2

AMW lab: Big and little storage 069 Room to move

Exposure

1/2 072

Bridges the gap between film and digital photography

Parallels Desktop 1/2 073

Opens Windows to Intel Macs



There's a world of information waiting to meet your data!

Introducing FileMaker Pro 8.5

Featuring the revolutionary FileMaker Web Viewer that delivers web data on demand!

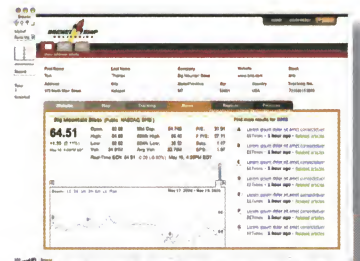


Introducing a new way to access and manage your world of Information

This new version of FileMaker® Pro includes the breakthrough **FileMaker Web Viewer** that delivers information from the Web directly to FileMaker Pro 8.5 – to provide the easiest way for you to access and manage your world of information.

New! FileMaker Web Viewer

- **Mapping made easy** – View maps, directions and driving details from your favourite mapping Web site based on addresses stored in your database!
- **Shipping Details at Your Fingertips** – Get package tracking details from your favourite shipping Web site with shipping details automatically displayed based on tracking numbers stored in your database!
- **News Delivered to Your Virtual Doorstep** – Get important news and financial information on contacts and companies from your favourite Web sites and search engines.
- **Organise Research Instantly** – View online encyclopedias and research information from popular Web sites
- **Get instant information on Product Updates** – Get up-to-date information, competitive pricing, inventory details and more by linking directly to the Web sites of manufacturers, supplier and vendors.



FileMaker Pro 8.5 also includes:

New! FileMaker Learning Center provides a wealth of online resources to help you get started quickly and to improve your FileMaker skills.

New! Universal Application Support means FileMaker Pro 8.5 runs natively and faster on the new Intel-based Macs.

For more information including product, pricing and special promotions visit: www.filemaker.com.au.



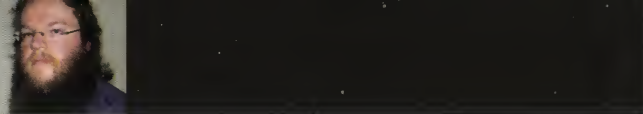
South Australia
Victoria
New South Wales

Queensland
Western Australia
Tasmania

Glenunga: Ph 08 8338 7444 Adelaide CBD: Ph 08 8410 8585
Elizabeth St: Ph 03 9329 3911 Bridge Rd: Ph 03 9429 5002 Bourke Street Ph 03 9639 9444
Sydney CBD: Ph 02 9367 8585 Baulkham Hills: Ph 02 9688 6066 Pymble: Ph 02 9144 4866
Balmain: Ph 02 9555 5200 Broadway: Ph 02 8586 1111
Sydney Service Centre: Ph 02 9418 9011
Brisbane CBD: Ph 07 3220 0400 Surfers Paradise: Ph 07 5504 1000
Nedlands: Ph 08 9389 0400
Hobart: Ph 03 6238 1000

© 2006 FileMaker, Inc. All Rights Reserved. FileMaker and the file folder logo are registered trademarks or trademarks of FileMaker, Inc. in the United States and other countries. All other trademarks are the property of their respective owners.





From the Macintosh scene to the magazine.

By Matthew JC. Powell.



Hot Links

www.intel.com/technology/architecture/coremicro/Merom on the range

No good time

THERE is never a good time to buy technology. That's just a given. No matter when you choose to buy a computer, there is always something better about to hit, or down the pipeline.

Probably the single most common letter I get — at least on par with complaints about faulty Macs and poor response from Apple — is the complaint that a reader has just bought a Mac and then — mere months later — a better cheaper model was released. It's a constant. I sympathise, but all I can say is that it's just the way it is.

As some of you may recall, I've been sticking with my old 667MHz Titanium PowerBook G4 for some years now. My plan had been to use it for three years then upgrade to a PowerBook G5. I even had a source tell me when the PowerBook G5 was due for release — you know how that came out.

So, in the absence of a PowerBook G5, I thought I'd hang out for an Intel-based PowerBook. Had I known Apple would give it such a clumsy new moniker I might have thought different, but that's the choice I made. Just a few more months, I thought.

Then, Apple came out with the first MacBook Pro and, what do you know, it had only a single-layer SuperDrive. For most people, that's not a dealbreaker. Dual-layer DVD blanks are still quite pricey and adoption hasn't been huge. That's why Apple went that way. For me, the fact that it was a step down from the last-generation PowerBook G4 (which had a dual-layer SuperDrive) made it a dealbreaker. Call me picky.

The 17-inch MacBook Pro has a dual-layer SuperDrive, but the problem there is the size of the thing. Commuting between Sydney and Melbourne as I do, portability is a real requirement, and the 17-inch model is just too cumbersome for that kind of use. So I'm still waiting.

Here's the problem though. A few months ago I dropped my trusty old warhorse. Not for the first time and, I fear, not for the last. However, on this occasion a tiny little piece of plastic broke off. Mere millimetres it was — teensy.

The function of this piece of plastic was to hold the top chunk of RAM in its slot. Without that piece of plastic the RAM sits there loosely, minding its own business and not bothering the system — which is oblivious to its presence.

Thus I find myself with only 512MB of RAM, rather than the 1GB that's actually there. I'm running OS X 10.3.9, and usually have Entourage, Word, Quark XPress, Acrobat and a few other big apps open. Remember, it's a 667MHz machine. Understand my pain.

I consulted with an Apple tech who tells me, straightfaced, that the only way to repair or replace that insignificant piece of plastic is to replace the motherboard. Might as well buy a new computer. So

I'm in the market, like it or not. The obvious thing to do is to bite the bullet, buy a 15-inch MacBook Pro and envy owners of the dual-layer version which will doubtless arrive shortly.

However, a few weeks ago I went to an Intel briefing, at which the new Core 2 Duo processors were unveiled. The ones they were talking about then were the big iron ones for workstations (rumour has it Apple may employ these in its Pro desktops — see Buzz for more) but they also talked about other Core 2 Duo chips in the pipeline, including one for portables codenamed "Merom". That will, Intel claims, produce 20 percent more performance for slightly lower power consumption and less heat. I'd like a MacBook Pro with less heat than the current ones.

According to Intel, Merom chips will start to ship in August, so I'm contemplating waiting until then. It's a bit of a brave new world, this: IBM and Motorola used to be extremely cagey about upcoming processors because Apple was their sole supplier. We'd find out what the next processor was when Apple decided to talk about it. Intel, with its range of customers, likes to give "roadmaps" — speculation has never been easier.

But hang on, if I get the Merom-based MacBook Pro (and for the record neither Apple nor Intel has hinted at the existence of any such thing) it may have a dual-layer SuperDrive in it, but by August maybe I should be looking for a Blu-Ray burner. I also went to a Sony launch a few weeks ago at which that company unveiled its new VAIO laptop — the romantically-entitled VGN-AR18GP, remind me never to complain about Apple's product names again — with a Blu-Ray Disc burner for high-definition content. Incidentally, this machine is massive — not so much a desktop replacement as a desktop that folds. Wasn't Sony good at industrial design once?

I have no idea if or when Apple will have a unit with a Blu-Ray burner in it, but I'm guessing it will and I'm guessing not too far behind Sony. Will it be at the same time as Merom, or a little while later? How long can I endure the wait (not just for a new computer, but for a document to open in Quark on my hobbled PowerBook)?

One thing's for sure: even if I get my Merom-based Blu-Ray-burning MacBook Pro the second it comes out, something better will be right around the corner. ☞

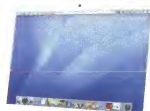
Matthew JC. Powell

We all shine on...



SAVE MONEY ON THE MACBOOK FAMILY!

RENT SMART
Because buying isn't
from \$19.00 per week*



**SAVE
\$54!**

MacBook 13" 1.83GHz

1.83GHz
Intel Core Duo
512MB
60GB
Combo drive

\$1695
(RRP \$1749)

RENT SMART
Because buying isn't
from \$21.80 per week*



**SAVE
\$70!**

MacBook 13" 2.0GHz

2.0GHz
Intel Core Duo
512MB
80GB
Superdrive

\$2329
(RRP \$2399)

RENT SMART
Because buying isn't
from \$40.00 per week*



**SAVE
\$160!**

MacBook Pro 15" 2.16GHz

2.16GHz
Intel Core Duo
1GB
100GB
Superdrive

\$3839
(RRP \$3999)

RENT SMART
Because buying isn't
from \$43.13 per week*



**SAVE
\$174!**

MacBook Pro 17" 2.16GHz

2.16GHz
Intel Core Duo
1GB
120GB
Superdrive

\$4225
(RRP \$4399)

UNBEATABLE PRICES + FREE HELPDESK FOR ALL FREQUENCY CUSTOMERS!

\$44.95
(RRP \$54.95)



**SAVE
\$10!**

iSkin eVo3 iPod Video Skins

\$489
(RRP \$519)



**SAVE
\$30!**

Slim Devices - Squeezebox

\$429
(RRP \$649)



**SAVE
\$220!**

Microsoft Office Standard **

\$1009
(RRP \$1129)



**SAVE
\$120!**

LaCie - Little Big Disk 200GB

\$109.95
(RRP \$129.95)



**SAVE
\$20!**

STM - Sports 2 Backpack

\$129.95
(RRP \$159.95)



**SAVE
\$30!**

**DLO - HomeDock
Entertainment Centre for iPod**

\$179
(RRP \$279)



**SAVE
\$100!**

RAM - 1GB SO-DIMM PC 5300
(Suits MacBook/Pro/Intel iMacs & Minis)

FOR HIRE



**Rent this computer
from just \$13 per day!**

SHOP ONLINE!
FREQUENCY.COM.AU

Australia-wide Delivery
Visa, Mastercard, EFT accepted.

VISIT OUR STORE!
OPEN 7 DAYS!

137 Bayswater Road, Rushcutters Bay, Sydney
(diagonal to the Vibe Hotel, Rushcutters Bay). Tel 02 9360 0177

* RentSmart is available to approved customers on selected products with a total retail value over \$550. Figures are based on a 36-month term. Terms and Conditions apply.

** Offer valid while stocks last. One copy of Microsoft Office per computer purchased.

Prices and specifications correct 28/06/06. Frequency Communications reserves the right to change prices and/or adjust models according to availability of stock without prior notice. Prices include GST. Pictures are for illustrative purposes only. Errors and omissions excepted.

Specialising in Everything mac

Sales, Hire, Service, Training & Support



iPod Hi-Fi
only **\$485**

iPod nano 1GB
only **\$209**



iPod 30GB
only **\$431**



Take advantage of our low prices on the new Intel Macs!



MacBook 13"
1.83GHz Intel Core Duo - 512MB RAM
60GB Hard Drive - Combo Drive

Free Delivery **ONLY \$1,690.00**
Within Sydney Metro



Mac Mini Core Solo
1.5GHz Intel Core Solo - 512MB RAM
60GB Hard Drive - Combo Drive

Free Delivery **ONLY \$915.00**
Within Sydney Metro



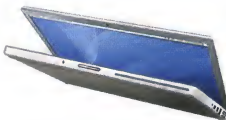
MacBook Pro 15.4"
2.0GHz Intel Core Duo - 512MB RAM - SuperDrive
80GB Hard Drive - 128MB Video Memory

Free Delivery **ONLY \$3,095.00**
Within Sydney Metro



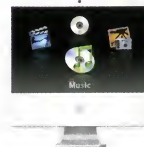
iMac Intel Core Duo 17"
1.83GHz Intel Core Duo - 512MB RAM - SuperDrive
160GB Hard Drive - 128MB Video Memory

Free Delivery **ONLY \$1,930.00**
Within Sydney Metro



MacBook Pro 17"
2.16GHz Intel Core Duo - 1GB RAM - SuperDrive
120GB Hard Drive - 256MB Video Memory

Free Delivery **ONLY \$4,220.00**
Within Sydney Metro



iMac Intel Core Duo 20"
2.0GHz Intel Core Duo - 512MB RAM - SuperDrive
250GB Hard Drive - 128MB Video Memory

Free Delivery **ONLY \$2,510.00**
Within Sydney Metro



toffææ
\$99.95

New MacBook 13" Sleeves



AppleCare for iPod
ONLY \$65 (RRP \$99)
Extend your iPod's warranty
and support to two years



Save on Microsoft Office 2004 Mac

Microsoft Office Mac 2004 EDU - Only **\$210** (\$249 RRP)
Microsoft Office Mac 2004 Standard - Only **\$435** (\$475 RRP)



Run Windows XP and Mac OS X on your new Intel Mac!

Parallels Desktop for Mac
Run Simultaneous Systems
from **\$70**

Windows XP Pro OEM
For new Mac purchases only
from **\$269**



Emdigital™



Authorised
Solutions Reseller

www.emdigital.com.au

Email us at
sales@emdigital.com.au

Call us on 02 9817 7622
Fax 02 8569 2329

Your magazine, your forum.



Hot Links

www.optusnet.com.au
Show me the Mac support



This issue Conexus (02 9975 2799) is giving an ADS Technologies Instant Music valued at \$135 to the *Australian Macworld* reader who sends in what we deem to be the most interesting letter. Instant Music allows you to record your old LPs and cassettes — or any analogue source — to CD, MP3 or your iPod using Roxio's Spin Doctor and Apple's iTunes software.. Just plug the Instant Music into a USB port on your Mac and you are ready to begin recording. Your old LPs can warp or get scratched and your audio cassettes will simply deteriorate over time. Protect your music collection by converting into a digital audio format you can enjoy forever.

Video fix

Reading Mailbox 07.2006, I discovered that I'm not the only one who has trouble getting iMovie to record video from my VCR via the DV converter in my Canon handycam.

Ross Gibson and other readers may be interested in my current workaround for this problem.

Using the "New Movie Recording" function in the File menu of QuickTime Pro (assuming you've upgraded), QuickTime has no problem finding the DV stream from the camera on FireWire. You can then record the required video from the VCR, save as desired and quit QuickTime.

Create a new empty iMovie project, then save and quit without importing any video.

Control-click (or right-click) on the iMovie project you just created and from the menu select "Show Package Contents". Drag your Movie(s) into the "Media" folder then close the window.

Then when you open the iMovie project, you'll be asked if you want to view the files in the iMovie Trash — to which you should answer yes!

In the Trash you'll find your VCR video footage which you can simply drag back out into the project ready for editing, saving you all that "Importing" time!

Easy.
Dave Hunter,
Chiswick, NSW

Sometimes the ingenuity of AMW's readers amazes even me. — M.JC.P.

Letters should be e-mailed to matthew.powell@niche.com.au with a subject header of "Mailbox" or by post to *Australian Macworld* Mailbox, 3/165 Fitzroy Street, St Kilda, Victoria 3182. Letters of fewer than 200 words are given preference. We reserve the right to edit letters and probably will. To be eligible for the Instant Music prize, you must include your full name and address, including state or territory.

Help wanted

I recently acquired a USB keyboard with a slightly unusual layout. It's an HP LK463-AA with keys for the VMS operating system. Most of my work is on VMS systems and I would really like to be able to use this keyboard with my Mac PowerBook G4 running Mac OS X 10.4.7.

I plugged the keyboard in and it mostly worked. The problem is that the VMS-specific keys don't appear to be detected by the operating system. For example, pressing the Do key results in no discernable activity of any kind; even the xev program (X11 event viewer) does not register the keypress. Other VMS users have reported the same problem so I know it's not just me.

Therefore I would like to make contact with an OS X systems expert who has some experience in these things and might be able to devise a fix for it. I am willing to pay you for your trouble.

Jeremy Begg
VSM Software Services

Anyone who might be able to help Jeremy out, please contact matthew.powell@niche.com.au with the subject header "VMS fix". — M.JC.P.

Extra security

Just wanted to let you know how excellent the security article in AMW 07.2006 is. I constantly get asked questions about this topic, being an IT support person.

One this I would add though is this: with wireless networks, making them closed is a great idea, as then your SSID isn't broadcast. This makes it a lot

harder for someone to crack your WPA settings, as they don't even know your wireless network name, or even if it exists (or turned on).

I didn't see this in the article, but I may have just missed it (shouldn't read while watching the World Cup late at night).

Ken Woodward
Via internet

Shop around

Your story on "The Best Cameras Under \$1000" (The Hub. Photo. 07.2006) arrived at an opportune time for me as I was researching a digital camera for an overseas holiday. When I ventured onto the internet, however, I found that there were quite a few errors in the article — namely on the issue of price. The most serious of these was in relation to the Sony Cyber Shot DSC-H1 touted as a camera which should be "high on your list" at the "moderate" price of \$949. The Sony web site, however, lists this camera as no longer for sale and the new model, the DS-CH2, has an RRP of only \$699 — if \$949 is moderate surely \$699 for a better model is a steal! Similarly the Panasonic Lumix DMC-FZ30 is listed in the article as \$919 despite the Panasonic web site listing its RRP as \$989 (however I was able to find it as cheap as \$799 on the web site of a reputable camera store). The Kodak camera listed, while I was unable to find a current RRP, also seemed to be priced around \$500 in various online stores rather than the \$619 listed in the article.

Terms and Conditions. Mentor letter of the month 1. Instructions on how to enter form part of these conditions of entry. 2. To enter send tips or queries to matthew.powell@niche.com.au with a subject header of "Mailbox". Entries will be judged by the editorial staff of *Australian Macworld*. The judges' decision in relation to any aspect of the competition is final and binding on every person who enters. No correspondence will be entered into. Chance plays no part in determining the winner(s). Each entry will be individually judged based on its degree of interest. 4. Employees, their immediate families and agencies associated with this competition are not permitted to enter. 5. The Promoter accepts no responsibility for late or misdirected entries. 6. The best entry/entries as determined by the judges will win the prize(s). 7. The Promoter is neither responsible nor liable for any change in the value of the prize occurring between the publish date and the date the prize(s) is claimed. 8. The prize(s) is not transferable and will not be exchanged for cash. 9. The winner(s) will be notified by mail. 10. All entries become the property of the Promoter. 11. The collection, use and disclosure of personal information provided in connection with this competition is governed by the Privacy Notice 12. The Promoter is Niche Media Pty Ltd of Level 3 / 165 Fitzroy Street ST KILDA VIC 3182 Ph 03 9525 5566, (ABN 13 064 613 529).

Three of the seven cameras were incorrectly priced even when the RRP was easily available at the manufacturer's web site and one of those three has been listed as no longer for sale. Even worse is that the websites of said manufactures are listed in the beginning of the article as links! I would suggest that in the future reviewers put only the RRP in the article and perhaps state something to the effect of "available cheaper online" rather than seemingly randomly collected and out-of-date prices.
Josie Cleland
 via internet

Thanks for that, Josie. Unfortunately in magazine publishing, time is our worst enemy. At the time we requested review products from the various manufacturers, the DSC-H1 was Sony's choice of model to send. By the time the issue hit the press, it was superseded by a cheaper update. As for prices, I like to state "street" prices, gathered from shopping around, rather than manufacturers' RRP's. In some market segments — cameras, mobile phones and PDAs especially — the RRP is often nothing like what you pay in the real world. Unfortunately, "street" prices change even more rapidly than RRP's. All I can suggest is that, with any product you see reviewed anywhere, take the published price as a guideline only, and shop around. — M.JC.P.

Your mileage may vary

Your reviewer of Drive + Play (Test drive, AMW 07.2006) could find a simpler solution to playing his iPod in his 13-year-old Volvo. Buy a cheap car cassette player insert device, attach his player to it and listen with no radio interference. Not as sophisticated but works beautifully.
Derek Fielding
Kenmore, Qld

Perhaps your experience has been better than mine, Derek. I've used a couple of those cassette-type devices (admittedly several years ago) and found the constant hiss unacceptable. Even intermittent radio interference worked better for me. — M.JC.P.

Agit prop

Each month I look forward to purchasing my copy of *Australian Macworld*. The articles are usually well written, informative and — most importantly — relevant to the Mac user.

However, the 06.2006 issue included a patently political article written by a Fleur Doidge. The article had nothing to do with computers, let alone Macs. It looks as though it was lifted straight off the government's web site. The broken chain image appears to be taken from the government's GST propaganda.

Doidge's contribution to the content of the article was her own "liberation" in being

employed in the UK as long as she had two arms and two legs.

Presumably Doidge has two arms/legs and so had a significant advantage over a disabled applicant. Moreover the employment approach described by Doidge explains the awful customer service in the UK.

I do like *Australian Macworld*. However, unless you can confirm that the barefaced political propaganda like that regurgitated by Doidge will not appear again in the magazine I will, with much regret, cease purchasing *Australian Macworld*.
Paul Kilborn
 Via internet

Actually, when it comes to Fleur's take on WorkChoices, I agree with you — the image was meant to be an ironic statement of some sort. My apologies if it didn't come across. However, I'm not a big believer in censorship, so I ran Fleur's article despite strongly disagreeing with her views. I did feel that the topic was relevant to small business owners, including resellers, for whom the article was written. I can't confirm that AMW will never publish opinions with which you disagree. I think that would be unhealthy for the free exchange of ideas. I can guarantee that, if you or anyone else take the time to write in with an opposing view, that will get an airing too. — M.JC.P.

Macworld

August 2006 / Issue No. 103

Group Publisher
 Grant Amott
 grant.amott@niche.com.au

Editor
 Matthew J.C. Powell
 matthew.powell@niche.com.au

Group Sales Manager
 Dominic Miller
 dominic.miller@niche.com.au
 03 9525 5566

National Advertising Manager
 Steven O'Donnell
 steven.odonnell@niche.com.au
 03 9525 5566

Sales & Admin. Co-ordinator
 Jo Spurling
 jo.spurling@niche.com.au

Designer
 Tim Marty
 tim.marty@niche.com.au

Production Manager
 Antonette Santoro
 antonette.santoro@niche.com.au

Prepress
 Emma Meagher
 emma.meagher@niche.com.au

Cover imaging / IT Manager
 Joel Robertson
 joel.robertson@niche.com.au

(niche):

Australian Macworld
 is a publication of Niche Media Pty Ltd
 ABN 13 064 613 529
 Level 3, 165 Fitzroy Street,
 St Kilda, Melbourne, Vic 3182
 Tel: 03 9525 5566 / Fax: 03 9525 5628

Chairman and Publisher
 Nicholas Dower

Managing Director
 Paul Lidgerwood

Finance Director
 John Clarke
Studio Design Manager
 Keely Atkins
 keely.atkins@niche.com.au

Subscription Inquiries
 Free Call: 1800 804 160
 subscriptions@niche.com.au

CTP/Print
 Bluestar print - Australia
 03 8514 6000
 ISSN 1329-9484

Digital Library Images supplied by PhotoDisc (www.photodisc.com). Australian Macworld has reprint rights to Macworld, a Mac Publishing LLC title. Material appearing in Australian Macworld is copyright and reproduction in whole or in part without express permission from the publishers will result in litigation. Australian Macworld is published under licence from Mac Publishing LLC, San Francisco, California. Editorial items appearing in Australian Macworld that were originally published in the US edition of Macworld are the copyright property of Mac Publishing LLC, which reserves all rights. Copyright ©2004 Mac Publishing LLC. Macworld is a trademark of Mac Publishing LLC.

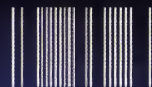
This issue of Australian Macworld may contain offers, competitions, surveys, subscription offers and premiums that, if you choose to participate, require you to provide information about yourself. If you provide information about yourself to NICHE MEDIA, NICHE MEDIA will use the information to provide you with the products or services you have requested (such as subscriptions). We may also provide this information to contractors who provide the products and services on our behalf (such as mail houses and suppliers of subscriber premiums and promotional prizes). We do not sell your information to third parties under any circumstances, however the suppliers of some of these products and services may retain the information we provide for future activities of their own, including direct marketing. NICHE MEDIA will also retain your information and use it to inform you of other NICHE MEDIA promotions and publications from time to time. If you would like to know what information NICHE MEDIA holds about you please contact:
 The Privacy Officer, NICHE MEDIA PTY LTD, Level 3/165 Fitzroy Street, ST KILDA VIC, 3182.

Coming to Australian Macworld

The Mac mini media centre. Hands-on tips to make your Mac mini the centre of a multimedia powerhouse.
The Hub. Global positioning systems. Add-ons for your PDA, in-car guidance systems and PDAs with built-in GPS.
AMW lab: Home theatre projectors. Way beyond data.
To advertise. Call Steven O'Donnell on 03 9525 5566.
To subscribe. Free-call 1800 804 160.

Coming to Desktop

Create: Awards. All the winners and runners up of the Create: Awards 2006.
Brand as art. When brands transcend marketing.
Open Source Design. Could you run your studio on open source software? A look at the best free solutions.
To advertise. Call Dominic Miller 03 9525 5566.
To subscribe. Free-call 1800 804 160.



COURSES

FOR YOUR CREATIVE CAREER IN DIGITAL MEDIA

Now enrolling specialist, diploma courses in:

3D Animation • Graphic Design • Digital Film • Multimedia & Web • Audio Engineering

Government accredited, AUSTUDY approved diploma courses. Taught by industry experts. Speak to us about pathways to a Degree.

OPEN DAY 12/8 12-4pm; Free Industry Presentations. Booking Essential – CALL NOW



Computer Graphics College Ph: (02) 9211 8011 www.cgc.com.au

email: info@cgc.com.au • 55-57 Wentworth Ave Sydney New South Wales 2000

BYRON BAY MELBOURNE BRISBANE PERTH ADELAIDE LONDON PARIS NEW YORK LOS ANGELES NASHVILLE MILAN BERLIN MUNICH AMSTERDAM ATHENS MADRID

Printing BIG?

Epson Pro Graphics printer bundles



2 x
1GB IPOD NANO
Free with
purchase of
Epson 2400

Epson STYLUS™ Photo R2400

- Prints up to **A3+**
(13inch/329mm)
- Roll and sheet feed
- Ultrachrome K3 ink
system (8 colour)
- **\$1,925.00 inc GST**
- **From \$15.65 p/w***



2 x
2GB IPOD NANO
Free with
purchase of
Epson 4800

Epson STYLUS™ Pro 4800

- Prints up to **A2+**
(17inch/432mm)
- Roll and sheet feed
- Ultrachrome K3 ink
system (8 colour)
- **\$3,295.00 inc GST**
- **From \$26.80 p/w***



2 x
30GB IPOD
Free with
purchase of
Epson 7800

Epson STYLUS™ Pro 7800

- Prints up to **A1+**
(24inch/610mm)
- Roll and sheet feed
- Ultrachrome K3 ink
system (8 colour)
- **\$5,935.00 inc GST**
- **From \$48.25 p/w***



2 x
60GB IPOD
Free with
purchase of
Epson 9800

Epson STYLUS™ Pro 9800

- Prints up to **A0+**
(44inch/1118mm)
- Roll and sheet feed
- Ultrachrome K3 ink
system (8 colour)
- **\$11,985.00 inc GST**
- **From \$87.95 p/w***

... Software



Adobe Creative Suite 2 (Standard)

- Upgrade from Creative Suite 1 **\$549.00** (Normally \$749.00)
- Upgrade from Photoshop **\$789.00** (Normally \$1089.00)
- New copy **\$1379.00** (Normally \$1899.00)

(Contains Photoshop, Illustrator & InDesign)



Adobe Creative Suite 2 (Premium)

- Upgrade from Creative Suite 1 **\$859.00** (Normally \$1179.00)
- Upgrade from Photoshop **\$1179.00** (Normally \$1629.00)
- New copy **\$1839.00** (Normally \$2539.00)

(Contains Photoshop, Illustrator, InDesign, Acrobat 7 Pro & GoLive)



Adobe Web Bundle

- **\$2649.00** (Normally \$3649.00)

(Contains CS2 Premium + Studio 8)



Microsoft Office 2004 Mac

- Commercial version **\$419.00** (Normally \$649.00)
- Student/Teacher version **\$215.00** (Normally \$249.00)

(For non commercial use)



FileMaker Pro 8

- **\$439.00** (Normally \$499.00)

- FileMaker Pro 8 Advanced **\$799.00** (Normally \$869.00)



QuarkXPress 7

- **\$1595.00** (Normally \$1795.00)

- QuarkXPress 7 Upgrade **\$545.00** (Normally \$595.00)

-From version 3,4,5 & 6

(Plus free upgrade to Intel-optimised version when released)

... Hardware



Apple G5 Workstation

- G5 DC 2GHz 512MB/ 160GB/SUPER ... **\$2999.00** (Normally \$3199.00)

- G5 DC 2.3GHz 512MB/250GB/SUPER ... **\$3749.00** (Normally \$3999.00)

- G5 QUAD 2.5GHz 512MB/250GB/SUPER **\$4969.00** (Normally \$5299.00)

(Upgrade any G5 to 3 year onsite warranty only \$399.00)



Apple MacBook

- MacBook 13.3" 1.83GHz (WHITE) **\$1699.00** (Normally \$1749.00)

Intel Core Duo/512MB/60GB/ COMBO

- MacBook 13.3" 2.0GHz (WHITE) **\$2029.00** (Normally \$2099.00)

Intel Core Duo/512MB/60GB/SUPERDRIVE

- MacBook 13.3" 2.0GHz (BLACK) **\$2299.00** (Normally \$2399.00)

Intel Core Duo/512MB/ 80GB/ SUPERDRIVE



Apple MacBook Pro

- MacBook Pro 15" **\$2999.00** (Normally \$3199.00)

2.0GHz/512MB/80GB /SUPERDRIVE

- MacBook Pro 15" **\$3749.00** (Normally \$3999.00)

2.16GHz/1GB/100GB/SUPERDRIVE

- MacBook Pro 17" **\$4139.00** (Normally \$4399.00)

2.16GHz/1GB/120GB/SUPERDRIVE



Apple iMac Intel

- iMac Intel Core Duo 17" **\$1939.00** (Normally \$1999.00)

1.83GHz/512MB/160GB/ SUPERDRIVE/AIRPORT/ BLUETOOTH

- iMac Intel Core Duo 20" **\$2489.00** (Normally \$2599.00)

2.0GHz/512MB/250GB/SUPERDRIVE/AIRPORT/BLUETOOTH



VITAL
PERIPHERAL
SUPPLIES

Vital Peripheral Supplies Pty Ltd

12/27 Dale Street Brookvale NSW 2100

Ph: 02 9905 8797 Fax: 02 9905 4348 Email: sales@vitalsupplies.com.au



Authorised Solutions Reseller

vitalsupplies.com.au

*All prices are GST inclusive and ex-manufacturer. All prices are for illustration purposes only.



News, views
& chatter
from the world
of Macs.



Hot Links

developer.apple.com/wwdc/index.html
Worldwide developer conference

WWDC crystal ball

IT'S no secret that Apple's Worldwide Developer Conference, which runs from 7 to 11 August in San Francisco, will feature the first real look at Mac OS X 10.5, code-named Leopard. While a few bits and pieces about the new operating system have come out already – such as its ability to dual-boot into Microsoft Windows – this will be the first time that a full range of the OS's new and improved features will be shown off to the world. We'll bring you full coverage of that preview next issue.

What remains a secret is what, if any, hardware announcements Apple might make at the conference. Last year saw possibly the biggest bombshell in Apple's history, as it announced the move to Intel chips. Since then almost every Mac product in Apple's lineup has been replaced with an Intel version.

The exceptions are the big guns – the Power Mac and the Xserve. It seems likely that both of these will be replaced with Intel versions before too long, and the WWDC seems as good a time as any to make the announcement.

Mere weeks before the WWDC, Intel publicly announced its new range of Xeon chips based on the Core microarchitecture. These workstation chips, previously code-named Woodcrest, are based on the same multi-core principles as the Core Duo chips currently in use across the Mac range. But they're bigger and tougher and just the kind of thing that might find its way into an Xserve.

Indeed, if you believe rumour sites, Apple already has Woodcrest-based Xserves ready to ship, just waiting for an announcement. That actually seems unlikely – why build something then have it sitting around when you could be selling it – but that's rumour sites for you.

Xserve announcements don't tend to make great headlines though – not populist enough – so it's also possible Apple might announce that the new range of Power Macs (which will no doubt not be called "Power Mac", more likely something like "Mac Pro") also based on the new Xeons. It would put Apple's desktop hardware in the top echelon of Intel-based performance workstations, but isn't that where Apple intends to be?

The one thing potentially working against that idea is that last year Steve Jobs said the entire product line would be moving to Intel by the end of 2006. The MacBook Pro came early, but that's no reason to think that the entire line will. If that original schedule is to be kept, Apple may be holding out for the next release of Intel Core 2 Duo chips, code-named Conroe, for the "Mac Pro". Even if that is the case, we may see an announcement at WWDC.

Meanwhile the 15-inch MacBook Pro may be in for a revision sooner rather than later, given Intel's announcement of the mobile version of Core 2 Duo, code-named Merom (the last syllable has a long o, like in "comb"). Merom chips are

due to begin shipping at the end of August, only weeks after the WWDC, and several suppliers including Dell and Sony have announced units incorporating the new processors.

Apple is unlikely to want to lag behind these competitors for too long. In addition, the Merom chips are designed for even less heat output than the current Core Duo, which would answer a complaint of many MacBook Pro users that the machines run way too hot.

Of course, all of these hardware announcements may well end up overshadowing the operating system preview, which is of course the centrepiece of the show. Apple will want to tout the features of Leopard as hard and loudly as it can, especially while Microsoft struggles to get Vista working and out the door.

If that's the case the hardware speculation above may amount to no more than a hill of semiconductors. But that's rumours for you. — Matthew JC. Powell



■ PRODUCTIVITY



Hot Links

www.filemaker.com.au

Maker of files

www.filemaker.com/products/fmp/universal_app.html

Have a closer look at those benchmarks

www.filemaker.com/phpbeta

Get the PHP API public beta

FileMaker 8.5 now Universal

FILEMAKER is now shipping a major upgrade to its database software, FileMaker Pro 8.5. In addition to new features like live web data, the company will deliver Universal Binaries of the client and server products that boast significant speed improvements over their PowerPC predecessors, according to the company.

Among the new features in FileMaker Pro 8.5 is the ability to add a live web page to a record in your database using the Web Viewer Control. Information specified in the record — such as a customer's name and address — will drive the URL. Once it is set up in the FileMaker structure the live web link will be available for all records in the database.

"Filemaker is really more than a place to store data — it's a place to find and deliver the information," said Ryan Rosenberg, FileMaker's vice president of Marketing and Services.

Using Safari's Web kit as the structure for the Web Control Viewer (for the Mac version of Filemaker Pro 8.5), Rosenberg predicted the new feature would be very popular as more information is available on the internet. Using examples like linking an individual to an internet street map based on an address or obtaining shipping information based on a tracking number, Rosenberg said easy to use features like this could drive more business to FileMaker.

To make the process easier, FileMaker is including a list of pre-built links and databases as examples of what can be done. Rosenberg said that a quick look at how they are implemented and most people would be able to make their own right away.

For the Windows version of FileMaker Pro 8.5, the company has employed Microsoft's Internet Explorer APIs. Mark Banks, of FileMaker Australasia, conceded that this could potentially lead to inconsistencies in the results users might get between Windows and Mac versions of FMP 8.5, but said that adopting a common platform — such as Mozilla Firefox — for both would have meant that viewing web data in FMP would be different to what users expected from their browsers. On both platforms, he said, FileMaker had adopted the most widely used browser technologies.

I feel the need. Obtaining information over the web isn't the only substantial addition to FileMaker Pro 8.5 — the new version will also be Intel native and boast significant speed increases compared to PowerPC hardware. FileMaker Server is seeing



performance increases of 116 percent over its predecessor and FileMaker Pro 8.5 will see a speed boost of 91 percent, according to the company.

According to Banks, the comparisons were made using an iMac G5 2.1GHz machine against an iMac Core Duo 2.0GHz. The machines were otherwise identical and both were running FileMaker Pro 8.5 under Mac OS X 10.4.6.

FileMaker did not provide benchmarks comparing version 8.5 to version 8.0, but Steve McManus, Managing Director of FileMaker

Australasia, said that anecdotal evidence suggested that there was an improvement. He told AMW that while the marketing focus for version 8.0 had been its feature set, developers had volunteered that they were seeing significant speed improvements over previous versions.

Another new feature of FileMaker Pro 8.5 is the FileMaker Learning Center. The learning center provides free video tutorials, how-to guides and other resources to help people learn the application at their own pace.

Tell them the price, son. There are four versions of FileMaker database applications being released: FileMaker Pro 8.5, FileMaker Pro 8.5 Advanced, FileMaker Server 8.0v4 and FileMaker Server 8.0v4 Advanced.

FileMaker Server is staying at version 8.0 because there are no major changes to that version besides making it Universal Binary for Intel machines.

FileMaker Pro 8.5 is available immediately and costs \$499. Upgrades for users of FileMaker Pro 8.0 and FileMaker Pro 8.0 Advanced will be \$79 after a rebate — upgrades for users of versions back to 6.0 will be \$499 through the 30th of December this year. FileMaker Server 8 and FileMaker Server 8 Advanced users can get Universal CDs that support Intel-based Macs for \$79. More details on pricing and upgrades for specific versions is available from the company's web site. — *Jim Dalrymple and*

Matthew JC. Powell

PHP added to the mix

Virtually simultaneous with the release of FileMaker Pro 8.5, the company is quietly issuing a public beta of an API for PHP, which allows data stored in FileMaker Server 8 Advanced to be accessed via the PHP programming language. Of most interest to FileMaker developers in large workgroups and medium-sized businesses, this marks the first time that FileMaker has issued a public beta of an upcoming product. What it actually does is make it easier for PHP developers to access FileMaker forms and portals without having to understand the entire Filemaker database structure. If that sounds like it might be of interest to you, see "Hot links" for the download site. — *M.JC.P.*

■ LITIGATION



Hot Links

www.powerpage.org
Mac information site
www.eff.org
Electronic Frontiers Foundation

Apple loses rumour sites appeal

IN 2004, details of an unannounced Apple product (code-named Asteroid) made their way onto an online news site called PowerPage. A none-too-happy Apple sued several unnamed individuals for leaking that information, and subpoenaed PowerPage publisher Jason O'Grady's ISP for the communications and unpublished materials relating to the leak.

The Electronic Frontier Foundation, a non-profit group that defends digital rights, argued that the online journalists should have the same right to protect the confidentiality of their sources as offline reporters do. As such, the case raised issues of what, exactly, constitutes a journalist, and whether a company's right to protect its trade secrets outweighs first-amendment protections.

The trial judge ruled that when a journalist publishes information that a company claims to be a trade secret, then constitutional protections the journalist's confidential sources enjoyed are nullified. The case took an interesting turn recently when an appeals judge for California's 6th Appellate District agreed with lawyers for PowerPage and AppleInsider, who argued that the confidentiality of sources for the online journalists were protected by the First Amendment.

In rendering his decision Judge Conrad Rushing said, "we can think of no workable test or principle that would distinguish 'legitimate' from 'illegitimate' news. Any attempt by courts to draw such a distinction would imperil a fundamental purpose of the First Amendment, which is to identify the best, most important, and most valuable ideas ... through the rough and tumble competition of the memetic marketplace."

The judge also ruled that Apple's subpoena was unenforceable in that it violated the federal Stored Communications Act, which requires direct subpoenas of account holders.

"Today's decision is a victory for the rights of journalists, whether online or offline, and for the public at large," said EFF Staff Attorney Kurt Opsahl, who argued the case before the appeals court, in a statement on the group's web site.

It's safe to assume, however, that Apple will look for other ways to figure out where the information came from. — *Jim Dalrymple*

Apple sued for stock option irregularities

APPL Computer has been notified of two lawsuits regarding irregularities in the issuance of stock options. Both lawsuits make claims against current and former officers, and directors.

The lawsuits, filed in the United States District Court for the Northern District of California and the Superior Court for Santa Clara County, come on the heels of Apple's voluntary disclosure that irregularities had been discovered with some of its stock option grants made between 1997 and 2001, one of which was to CEO Steve Jobs.

The option grant to Jobs subsequently was cancelled, and Jobs didn't financially benefit from it, according to Apple.

The irregularities in this case stemmed from the practise of "backdating" stock option grants to points when the stock was at low values, even if at the time of the grant the stock was more highly valued. This would lead to a rapid increase in the real value of options without affecting their declared value. The Center for Financial Research and Analysis recently named 17 technology companies as having possibly used backdated options in this way — Apple was not named in that report.

Meanwhile the Securities and Exchanges Commission has been investigating a number of technology companies for irregular stock option grants in recent months, including such names as Siebel and Amazon.com. In those investigations, the issue is more about granting options shortly before announcements of good news, which then leads to quick jumps in the value of stocks.

Apple said its own irregularities were uncovered during an internal investigation. The company has notified the SEC and hired outside attorneys to perform an investigation. — *Jim Dalrymple*

■ EDUCATION



Hot Links

www.apple.com/au/education/store
Where to go for the cheap iMacs

Apple replaces eMac with budget iMac

APPLE has introduced a sub-\$1500 version of its 17-inch Intel-based iMac specifically for the educational market. The company took the wraps off the new model at the National Educational Computing Conference in San Diego, California. Apple says the new low-cost iMac is its replacement for the eMac, Apple's last CRT-based system.

The \$1428.90 (1299 ex GST) iMac boasts some similar specifications to Apple's base-model iMac that's available to the general public for \$1999. The Core Duo processor is clocked at the same speed – 1.83GHz – and it features an iSight video camera and comes with iLife '06 pre-installed. It also comes with 512MB of 667MHz DDR2 SDRAM, expandable to 2GB, built-in 10/100/1000 Base-T Ethernet capabilities, built-in 802.11g Wi-Fi wireless networking, three USB 2.0 ports and two FireWire 400 ports.

What's missing compared to the retail model is Bluetooth connectivity, an optical SuperDrive (instead this system features a 24x CD-RW/DVD-ROM "Combo" drive), and ATI-based graphics – this system instead features integrated Intel GMA 950 graphics. The educational iMac also features a smaller hard drive – 80GB, as opposed to 160GB.

■ APPLE NEWS



Hot Links

www.obdev.at/products/littlesnitch/index.html
Protects your computer from within

OS X "phones home"

MAC users got a taste of what it's like to run Microsoft Windows as it came to light that the recently released update, Mac OS X 10.4.7, "phones home" to Apple servers periodically. Referred to as the Dashboard Advisory by Apple, the new feature ensures customer's widgets are up to date – Apple said there is no transmission of personal information.

"Apple takes protecting user privacy very seriously," said an Apple representative. "The Dashboard Advisory feature is a security tool that ensures the correct version of a widget has been downloaded from a third party site and no personal information is transmitted back to Apple."

While the automated check-in to Apple's servers seems relatively innocuous, some users are still upset that Apple would

The low-cost iMac is available immediately through the Apple Store for Education (see "Hot links"). The eMac, which has been restricted to education sales only, is no longer in production but will remain available while supplies last through the Apple Store for Education. — *Peter Cohen*

The LCD revolution

Apple's move is typical of an industry-wide move from CRTs to LCDs.

Five years ago, flat panel displays were the smallest segment of the market for desktop monitors; today they have overtaken CRTs, said Tim Bajarin, an analyst with Creative Strategies. "Absolutely, you can get more screen for your money with CRTs. They are relatively dirt cheap, but they are fundamentally becoming dinosaurs," Bajarin said.

While their visual performance is comparable to LCDs, CRTs suffer from much larger physical size and power draw, he said. That is particularly important to buyers in the education market, where IT managers frequently move the computers from room to room.

Competitors like Dell even offer lower prices on desktop PC packages with flat panel monitors, Bajarin said. Still, Apple's iMac will be popular with education buyers, who typically spurn bargain deals in favour of increased storage and mid-range processors so they can run a wide variety of applications.

LCDs still cost more than CRTs, but many new factories have opened in China since 2000, helping to drive the price down, said Bajarin. That enables even mid-sized PC vendors like Apple to negotiate volume discounts. Apple is the fifth-largest PC vendor in the US, according to IDC. — *Ben Ames*

implement such a feature without an easy way to turn it off. This isn't the first time that Apple finds itself in hot water over a new software feature that "phones home". In January, Apple released iTunes 6.0.2 with the MiniStore feature, which allowed Apple to push music suggestions to iTunes based on the currently selected track in the application.

However harmless the Dashboard Advisory feature may be, Apple couldn't have picked a worse time to have a privacy concern from its users. Just two days before, Microsoft was hit with two lawsuits over its Windows Genuine Advantage (WGA), an anti-piracy program that checks to make sure the copy of Windows you're running has a valid license.

WGA was introduced in July 2005. It collects hardware and software data and delivers it to Microsoft servers; the information is then used to warn of possible piracy.

If you want to stop the Dashboard Advisory feature manually, you can do so by typing the following command in Terminal:
`sudo mv /System/Library/LaunchDaemons/com.apple.dashboard.advisory.fetch.plist /System/Library/`

Alternatively, security software that monitors outgoing network traffic, such as Little Snitch, can block such "phone home" messages. The firewall built in to OS X does not, as it only monitors incoming traffic. — *Jim Dalrymple*

■ USERS AND GROUPS

MUG list

Each month, Macintosh User Groups around the country hold meetings and presentations. For more information on topics, locations and times please visit the listed web site, or e-mail the contact person. Unless otherwise stated, entry is free of charge.

Got a MUG that's not listed here? Drop us a line
matthew.powell@niche.com.au

August 2006

Tue 1

MacTalk — Newcastle & The
Hunter Macintosh User Group
[NSW]

[groups.yahoo.com/group/
MacTalk/](http://groups.yahoo.com/group/MacTalk/)

WAMUG [WA]

www.wamug.org.au

Wed 2

Toowoomba Apple and
Macintosh User Group Inc.
[QLD]

www.taamug.org.au

Coffs Harbour Mac User Group
[NSW]

[groups.yahoo.com/group/coffs_
_mac_users/](http://groups.yahoo.com/group/coffs_mac_users/)

Thu 3

TASMUG [TAS]

groups.yahoo.com/group/tasmug

Fri 4

South Australian Apple Users
Group [SA]

www.saauc.org.au

Southern Highlands Computer
Users Group (SHMUG) [NSW]
www.shcug.org.au/AppleMac.htm

Sat 5

AUSOM Incorporated [VIC]

[www.ausom.net.au/nextmeeting
.html](http://www.ausom.net.au/nextmeeting.html)

Mon 7

Gold Coast Macintosh User
Group [QLD]

goldcoastmacusers.org.au

Members Free, Guests \$5

Sydney Apple Macintosh Users
Group (AMUG) [NSW]

homepage.mac.com/sydamug

Tue 8

Macintosh Multimedia Group
[VIC]

[www.ausom.net.au/multimedia
.html](http://www.ausom.net.au/multimedia.html)

www.imug.com.au

ACTApple [ACT]

[www.actapple.org.au/Pages/
Meetings/Meetings.html](http://www.actapple.org.au/Pages/Meetings/Meetings.html)

Wed 9

Club Mac [NSW]

www.clubmac.org.au

Bellarine Macintosh User
Group [VIC]

www.geocities.com/bellarinemac

Entry \$2

Retirees & Others [VIC]

www.ausom.net.au/retirees.html

Sun 13

Gold Coast Apple Users Group
[QLD]

[home.worldlink.com.au/apple-
serv/GCUsers.html](http://home.worldlink.com.au/apple-serv/GCUsers.html)

Mon 14

North Queensland Macintosh
Users Group (NQMUG) [QLD]

www.nqmug.org

Macintosh Users Group
Sunshine Coast (MUGSUNCO)
[QLD]

www.mugsunco.org.au

Wed 16

Sydney Mac Users Group
(SMUG) [NSW]

www.sydney.macusersgroup.org/

Sun 20

Apple-Q Inc. [QLD]

www.apple-q.org.au/meeting.php

Tue 22

ACTApple [ACT]

[www.actapple.org.au/Pages/
Meetings/Meetings.html](http://www.actapple.org.au/Pages/Meetings/Meetings.html)

iMug [VIC]

www.imug.com.au

Wed 23

BEAUT [VIC]

www.beaut.org.au/events

Thu 24

Central Victorian Macintosh
Users [VIC]

www.cvmu.net

Sat 26

Geraldton Macintosh User
Group [WA]

gmug.wamug.org.au/



External Drives



Flash/Promotional Drives



* Minimum Qty 50

Memory



Portable Drives



Scanners



Hard Drives



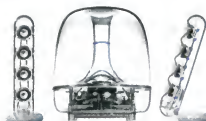
Software



Batteries



Sound



Displays



DVD Burners



eyetv



Mac Mini External Hard Drive



MacBook Pro



AND MORE!!

email: sales@zytech.com.au

Ph:(08) 9721 1125 Fx:(08) 9721 1126

See us now at www.zytech.com.au

■ COOL STUFF



Hot Links

www.applefritter.com
www.macmod.com
www.modyourmac.com

Want to make a mess of your Mac and possibly void your warranty in the process? No problem, you can find out all about modding Macs online.

Amazing Mac mods

BACK in the day, clever geeks who wanted to customise a cool piece of hardware hot-rodged their cars. These days, they mod their Macs. In the Mac's sleek exterior, they see an invitation to a little self-expression. Modders love their Macs (and iPods) so much that they want to paint them, accessorise them, and put them into new cases – making the outside as personalised as their on-screen desktops.

These were all done by American modders, but we'd love to hear from any Aussies who's done similar weird stuff to their machines. Drop a line to matthew.powell@niche.com.au with the subject header "Mac mods" and your Mac could find fame in these pages. — Cyrus Farivar

The Necromac

Modders: John Hart; Evan Keeling

Ages: 30; 29

Occupations: Apple-certified technician; exhibit specialist

Original model: Power Mac G3 (blue and white)

Hours required: 40

Cost: \$US40

Goal: "We didn't have a specific goal in mind as much as a specific feel. We wanted a texture and ambience that was ancient and creepy. It's still a Mac, but it's unlike any other Mac you've ever seen."

Fun fact: "Even though the G3 was released in 1999, people always ask how old the Necro is. And they always must touch it. It seems that people have to make tactile contact with the surface before they can walk away."



G3 Jukebox

Modder: Tom Mordasky

Age: 32

Occupation: Graphic artist

Original model: iBook G3

Hours required: 12

Cost: \$US225

Goal: "Who wouldn't want to have their entire music library at their fingertips and playing in any room of the house? The Jukebox combines my CD collection, internet radio, the iTunes Music Store, and a dubbing/burning/iPod hub in a compact, kiosk-style interface. Needless to say, it has completely changed how we listen to music."

Fun fact: "The iBook's polycarbonate case is really tough. I was surprised at how difficult it was to cut through – much harder than the 1/8-inch acrylic I used for the faceplate."



Bluelce G4

Modder: Kent Salas

Age: 41

Occupation: Web content manager

Original model: Power Mac G4

Hours required: 142

Cost: \$US550

Goal: "I wanted to customise a G4 tower, using colour. Instead of painting it and being stuck with one colour, I wanted to be able to customise it via LEDs or cathode-ray lights, as well as add enhancements like the internal five-inch LCD."

Fun fact: "I have literally spilled my own blood for the Bluelce G4 Project. That's when you know your mod is official."



Wacky Wall Street

Modder: Jeff Jaxon

Age: 37

Occupation: Help desk supervisor

Original model: PowerBook G3 (Wall Street)

Hours required: 100

Cost: \$US22

Goal: "The PowerBook came to me in two pieces, with the display completely broken off its hinges. I decided that trying to build a new hinge would make it look a little slapped together, so I might as well embrace an all-out, decayed-future, Road Warrior look. I started with a big brass toilet-seat hinge and built from there."

Fun fact: "Took third place in the MacMod Challenge 2005 and won the title of Wackiest Mod. And no, I haven't tried to take it through an airport yet."



Toy-box Cube

Modder: Jeff Thorne

Age: 23

Occupation: Wedding cinematographer

Original model: G4 Cube

Hours required: 5

Cost: \$US3

Goal: "To make something fun that would turn a lot of heads."

Fun fact: "I saw the Lite-Brite Cube at a local thrift shop and thought, 'You know, I bet I could fit my G4 Cube in there and still make it look stock.' So I bought [the Lite-Brite] for three dollars, took it home, and got to work."



iBook Loading dock

Modder: Casey Wright

Age: 28

Occupation: Photographer

Original model: iBook G3

Hours required: 6

Cost: \$US28

Goal: "I needed a loading station where I could unload images from CompactFlash cards — and it needed to complement the Old West decor of our museum."

Fun fact: "I bought the iBook new in 1999. It survived a car crash, two moves, and flying [three metres] in the air, and it never gave me any problems. I figured a nice quiet job would be a fitting retirement."



WEB HOSTING IN TEXAS ISN'T THE BEST WAY TO A BIG DEAL.

Ilisys has the biggest reseller hosting deal for Australian web developers. And it's 100% local.

\$59 Reseller Hosting.

All the advantages of our retail service, with no limit on the websites you host.

- 1 GB Data Storage
- 100 GB Monthly Transfers
- **Unlimited Websites**

Free love with that.

We provide so many advanced features, your customers will love you for choosing Ilisys.

Load-balanced servers, hourly backups and free Google AdWords are just the beginning.

Learn more at ilisys.com.au/reseller or call us on 1800 999 618.



■ ANALYSIS



Hot Links

www.apple.com/au/getamac/

Apple's latest ads

www.apple.com/au/getamac/windows.html

The Windows page

Windows on Macs will not open corporate doors

APPLE'S switch to Intel processors and the Mac's newfound ability to run Windows natively may lead to increased adoption in the home and small business marketplace, but will probably not translate to an increased presence in large-scale corporate environments, say industry analysts.

Needham and Company analyst Charles Wolf recently predicted that Apple's market share could triple in the home, yet he says that the same thing is not true of the corporate space. "I'm relatively cautious about the corporate market, medium and large business in particular," Wolf told Macworld. "The decision-maker is usually not the user in those cases. My observations are that they are very Windows-centric and consequently the fact that the Mac can run Windows well at some point in the future probably won't matter. In small business you might see some companies turn to the Mac as their primary computer, or they may be mixed environments, but there's no way I could even guesstimate how much that would be. I think quite small, in point of fact."

Gartner analyst Michael Silver also says that while individuals might be switching, it does not make sense for large companies heavily invested in Windows machines and applications to do so. "We're not seeing Macs replace Windows PCs as a standard choice," said Silver. "I don't really see Boot Camp as the resolution of why organisations don't buy Macs. If you want to buy a Windows machine, especially if you are in a company buying hundreds or thousands of PCs, there are cheaper ways to do that than buying a Mac. There's only one vendor, and you still have to install Boot Camp and buy a full version of Windows."

Another issue, say analysts, is productivity. Although Boot Camp will allow Mac users to boot up into either the Windows or the Macintosh OS and run Windows applications natively, in order to switch, they must shut down and restart their machines. This reduces productivity since a user must quit working in all open applications and wait while the machine shuts down and restarts. "If [a corporation is] trying to get users to spend time on applications, having a dual boot machine doesn't really resolve the issue," said Silver. "Even if I'm a creative pro, having a dual boot machine so I can stop what I'm doing — if I'm editing a film or a line for a business project — if I have to stop that and reboot in Windows to do SAP, or whatever, on the Windows side, where's my productivity going? I think a better solution is to look at virtualisation product like Parallels. Parallels is also a good answer for [Apple] because it gets them out of the who is going to support it issue."

The productivity issue might help explain some aspects of Apple's new ads. In its new "Get a Mac" campaign, the "Touche" ad promotes Parallels, rather than Boot Camp, as an option for

people who want to run Windows on their Macs. It further promotes Parallels on its "Get a Mac — Run Windows" promotional page.

Wolf, who had not seen the page prior to speaking with Macworld, says that while he thinks there is much to be said for dual booting, he was glad to see the company pushing Parallels. "I am so pleased to see [Apple promoting Parallels]," said Wolf. "I had a talk with Phil Schiller at the opening of the 5th Avenue [New York] Apple Store, and I asked him the question, 'will Apple include a virtualisation solution in Leopard.' He said 'absolutely not, the R&D would be prohibitive and we're not going to do it. Our solution is dual boot.' When I saw Parallels come out, I thought Apple would dis it, but this page suggests that Apple will actively support it."

Wolf noted that other virtualisation solutions are on the way, as well, from companies such as CodeWeaver, and that Apple should embrace them. "I think the ability to run Windows on a Mac over time will get easier and easier and more seamless, and what I think is quite necessary, is that Apple is not going to preclude third-party solutions; they're going to be promoting third party solutions above and beyond Boot Camp. And that's to the good," said Wolf.

Meanwhile Apple seems to be pushing its core strengths, rather than trying to focus on expanding into the corporate sector. "I think Apple has been selective," said Silver. "They've expanded these environments from a few years ago, when you wouldn't have seen science. I think it makes a lot of sense to be opportunistic, to be looking where the good match is."

Wolf is even more to the point. "I think it would be foolish for Apple to do a broad-based attack on the business market. I think it would fail; it would be wasted money." — *Matthew Honan*



By Dan Warne.

Off the net

Latest shareware and free downloads



Hot Links

www.ausmac.net

All the stuff you see here, and more

Wallet 2.5 \$US14.95 Shareware X (10.3.9) Universal

Store valuable snippets like serial numbers, credit card numbers, browser passwords and so on in a neat and easy-to-use iTunes-like interface. Heavily protected with 448bit encryption. (Also useful just for storing any snippets of text that don't otherwise have a logical home on your Mac.)

Apple MacBook Pro SMC Firmware 1.1 Free X (10.4) Intel

Does your MacBook Pro run hot or make funny mooing noises? You need this firmware update that makes the MBP's fan behaviour a bit more rational.

ChatFX 1.2.1 \$US20 Shareware X (10.4) Universal

Use TV station-style chroma-keying with your iSight and put any background behind you in iChat.

MenuMaster 1.4.1 \$US10 Shareware X (10.3) PowerPC

Change any keyboard shortcut in any program, or assign new shortcuts to menu items that don't have them. Much easier to use than the OS X inbuilt keyboard shortcut changer.

DeskPicChangerCMPlugin 2.1 Freeware X (10.4) Universal

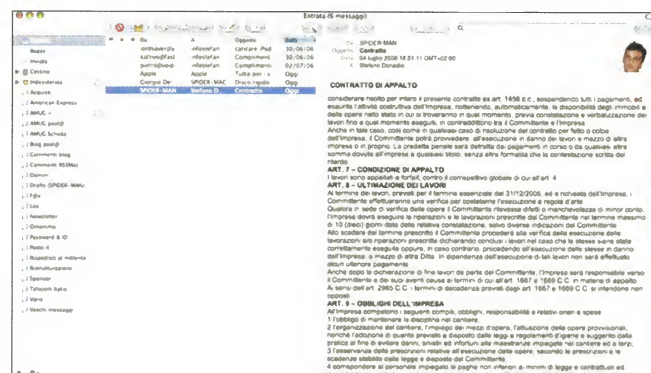
Right-click on any pic, select this shortcut and it becomes your desktop pic.

uGrabIt 1.5 9.90 Shareware X (10.3.9) Universal

Use your iSight (or any Firewire/USB camera) as a video camera to record movies directly to your hard drive.

ServerSiren 1.1 \$US15 Shareware X (10.4) PowerPC

If you have a web site, this app will monitor it and alert you immediately if the site goes down. It can e-mail, display an alert or run an AppleScript. (Americans get SMS alerts too — sigh!)



Letterbox 0.16 Freeware X (10.4) Universal

Swaps the preview pane in Apple Mail to run vertically rather than horizontally (like Outlook 2003 on Windows). Ideal for people with wide screens.

DesktopSweeper 1.3 Donationware X (10.3.9) Universal

Instantly hide your desktop icons with a hot key. Ideal if you have your girlfriend/boyfriend/baby as your background and find yourself constantly moving icons out of the way to show your pride and joy off to other people!

MailTemplate 1.5b1 \$US10 Shareware X (10.2) PowerPC

Compose messages in Apple Mail based on templates you've previously created.

WidgetTerm 1.2 Freeware X (10.4) Universal

Clear a space in your Dock — put the Terminal in your Dashboard as a widget.

VoiceCandy 1.0.3 \$US12.95 Shareware X (10.4) PowerPC

"Photo Booth for audio". Tell your son that "I am your father ... wheeze, puff ..."

TextSoap 5.0 R1 \$US29 Shareware X (10.3) PowerPC

If you ever have to work with text that is littered with extraneous characters, broken lines, or just general gumph from conversion from one format to another, TextSoap is a godsend. It is a powerful app for cleaning up text.

Meetro 0.51 Freeware X (10.3) PowerPC

Interesting app that lets you chat with people close to you (it even tells you the precise distance between you and them in miles)

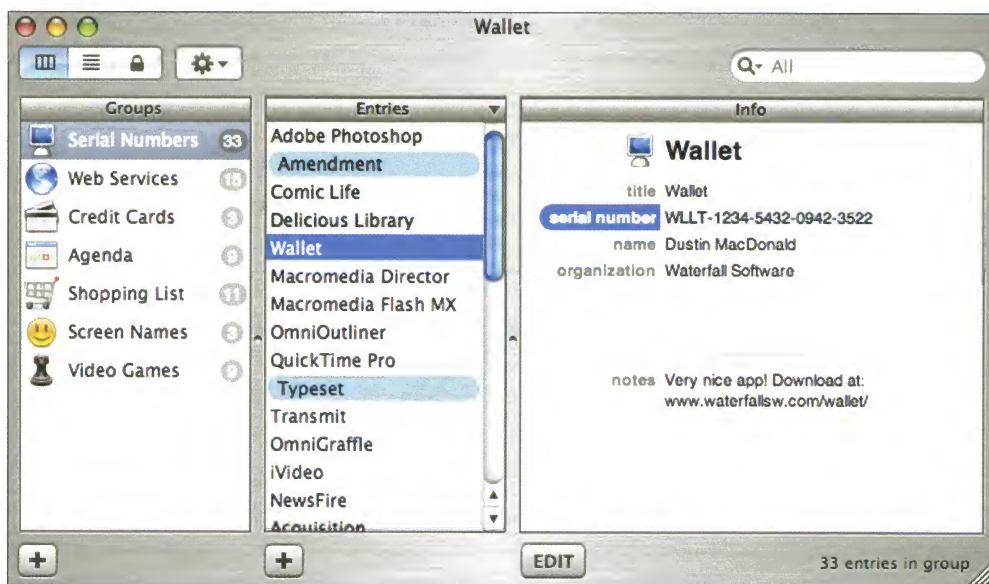
Soonr 0.1.1843 Freeware X (10.4) PowerPC

Terrific program and web service that lets you access any file on your Mac, as well as your e-mail or even do Spotlight searches — from your mobile phone.

Awaken 2.5 \$US8.95

Shareware X (10.3) PowerPC

Turn your Mac into a really expensive alarm clock. Drift off to sleep listening to iTunes music or streaming radio, or wake up to it. Awaken can bring your Mac out of sleep mode at the appropriate time.





The view from the other side of the counter.

By Fleur Doidge.

Fair for who?

LOCATION, location, location. You would think that in property-mad Australia, we'd have this stuff all figured out. Certainly the franchise model of business — which particularly relates to small business — treats territory and location as critical and central to one's success.

But what of independent businesses — especially the small to mid-size businesses? Most Apple resellers — indeed, most Australian businesses full-stop — fall into these categories. Sometimes it seems it is a matter of luck (and financing, and what we euphemistically call “people skills”) that dictate where any particular business may stake its claim.

Is that fair? Someone, I forget who, once said all was fair in love and war [editor's note: John Lyly, “the rules of fair play do not apply in love and war,” *Eupheus, or the Anatomy of Wit*, 1578] but he (she?) [editor's note: he] said nothing about fairness in business operations. Why, if it's so important, should it be merely a matter of luck or fancy where one's company is located?

It's easy to regress to the relative comfort of laissez-faire capitalism and argue that any other way is simply inconceivable (or even immoral) because businesses should remain as unfettered as possible so — to mix another metaphor — the cream (or was that the scum) should have the best chance of rising to the top.

What's fair for you may not be fair for me and vice versa. Some of the more pragmatic philosophies around have suggested that the term “fairness” denotes only that those who say it have given the situation their personal stamp of approval; they have decided that they are getting their rightful share of things in whatever situation is under discussion.

We, of course, like to kid ourselves that “fair” is far more universal than that; that it means being fair to everyone. But fairness is partisan, perhaps inevitably so.

So how does it make sense, then, to dictate where a business should operate? Far better, surely, to step back and say: “Up and at 'em, boys and girls, and let the best one win”. This approach has several distinct advantages. First, authority gets to do as little as possible (which of course leaves more time for leisure, and for driving the kids to school or what-all). Second, everyone gets the best possible chance of watching a bit of carnage.

My granddad used to say that what was wrong with the modern world was that everybody needed a bloody good war. You only have



Hot Links

en.wikipedia.org/wiki/Laissez-faire_capitalism

Wikipedia article on laissez-faire capitalism

www.riskmanagementmagazine.com.au/articles/DE/0C0306DE.asp?Type=124&Category=1240

Risk Management magazine article — “Catching the Corporate Psychopath”

to look at the battle that passes for international sport these days to wonder if he had a point. How gleefully we all fall back into archaic tribalisms, despite our uneasy awareness that there is something not quite right about all that so-called good clean fun.

It doesn't seem like good clean fun necessarily when it comes to the sport of business, either. You could argue that business is even more like war. The alternative is to move towards a permanent state of Zen or fruitarianism or similar, only eating the fruits that drop to the ground — willing sacrifices, as it were, for a “greater good”. Should you actually get close to this vision of purity, you can sully yourself as much as you like with a sense of superiority to the bloody-handed warriors scrabbling in the dust behind you.

Reality tends to be more complicated. So why can't we let business be as business does, and not interfere with the logistics and rules of engagement? One simple, albeit un-rigorous reply might be that nothing else has been untouched by regulation and governance, and business affects everyone, so surely it is a proper concern of ours at least to

lay some ground rules.

Location makes a big difference to a reseller. Every reseller has, as they say in business circles, “a lot of skin” in the deal. They often have much of their own money in their companies.

Yet they cannot choose exactly where they want to operate, and this, coupled with the many other variables beyond their control which can sink or float their dreams, means they can start pointing the bone when they perceive some related operation moving into their territory. What else can they do?

Laissez-faire does not create an “even playing field” where the best man or woman can win, although they might. It could work in a highly artificial situation — like an actual sports match or running race — where so many variables are controlled and there is a clear goal, start and finish.

War — and business — is much messier. Like life. (Let's not even start with love). “High-flying corporate successes” like Enron, HIH, and more recently, AWB (common corporate practices have crept into government), suggest that, in business, often the scum does indeed rise to the top. Sometimes with the cream, sometimes not. Which would suggest we haven't yet got the balance right between our freedom and your control. ☹

Fleur Doidge is a longtime observer of the Mac reseller channel in Australia.

I AIN'T AFRAID OF NO GHOSTS



NEC MULTISYNC LCD GX SERIES MONITORS

4ms RAIP RESPONSE™
FOR SUPER FAST VIDEO

NEW OPTICLEAR DVM®
TECHNOLOGY FOR
SUPERIOR IMAGE
CLARITY AND COLOUR
REPRODUCTION

4-PORT USB 2.0 HUB FOR
EASY CONNECTIVITY

340° SWIVEL AND 30° TILT
ADJUSTMENT

MULTI-DIRECTIONAL
NAVIKEY™ SIMPLIFIES
SCREEN ADJUSTMENTS

AVAILABLE IN 17", 19" AND
20" WIDESCREEN

Working with high end motion video and graphic intensive applications can be scary stuff. Slow refresh rates on most LCD screens mean ghosting that can be tough on the eyes.

The new MultiSync GX Series of professional monitors from NEC feature screen refresh rates of a frighteningly fast 4 milliseconds*, up to 3 times faster than the industry standard. Combine this with our patented OptiClear Technology and you really have to see the amazing image clarity and vivid colour reproduction to believe it.

Do your eyes a favour and relax knowing that the MultiSync GX Series monitors carry on a long tradition of quality and reliability that has made NEC the leader in professional monitors worldwide.



CALL 131 632 FROM ANYWHERE IN AUSTRALIA OR VISIT US AT WWW.NEC.COM.AU

Empowered by Innovation

NEC

*Model 20WGX2 features a 6ms response rate.

By John Rizzo



Hot Links

www.sigsoftware.com
www.publicspace.net
 File renaming tools
www.joshjacob.com/macdev/tnef/index.html
 TNEF's Enough
support.microsoft.com/kb/q138053/
 Possibly the most valuable document in Microsoft's Knowledge Base
www.stuffit.com
 Stuffit Expander For Windows
www.mediafour.com
 MacDrive
www.microsoft.com/mac
 Microsoft's Remote Desktop Connection
sourceforge.net/projects/cotvnc/
 Chicken of the VNC
www.gotomypc.com
 GoToMyPC

www.equinux.com
 VPN Tracker
www.mozilla.com/firefox
www.caminobrowser.com
 Alternative browsers
docs.info.apple.com/article.html?artnum=107943
 Apple's notes on Active Directory
www.macwindows.com/AD.html
 Troubleshooting Active Directory troubles
weblog.bignerdranch.com/?p=6
 Mac OS/Linux/Windows Single Sign-On
www.admitmac.com
www.centriify.com
 Active Directory utilities for Mac
zeroonetwenty.com/blueharvest/
 Leave no fingerprints

Living in a WINDOWS WORLD

How to share files, drives, and networks with PCs

MAC OS X may be the greatest operating system in the world, but somehow that news hasn't reached most of the planet. The sad fact is that most of us are surrounded by Windows PCs. While it's easier than ever to share files and networks with Windows systems, Mac users still often feel like strangers in a strange land.

That's why we've collected a few of our favourite tips for getting along with the Other Side — techniques, hacks, and utilities to help you fit in so seamlessly that your Windows-using colleagues won't even know, much less care, that you're using a Mac.



SHARING FILES

When it comes to sending files between Macs and PCs, you have to be careful about the names and tools you use.



Problem: Windows users can't open the files you send them.

Solution one: Fix the file name. Windows is essentially stupid: the only way it knows which application opens a file is to look at the three-character extension at the end of the file's name. When it sees .doc, it opens Microsoft Word; when it sees .xls, it turns to Microsoft Excel; and so on.

So when you send a file to a Windows user, you have to give the file name the right extension. For starters, set Mac OS X to display file extensions. Select Preferences in the Finder menu, select Advanced, and then select the Show All File Extensions option.

The next step is to make sure your files have Windows-legal file names. If you don't follow Windows naming conventions, the recipients might not be able to open your files; in some cases, they won't even be able to see your attachments.

In Windows file names you can't use square brackets ([and]), slashes (/ and \), the equal sign (=), the plus sign (+), angle brackets (< and >), question marks (?), semicolons (;), quotation marks ("), or commas (.). So if you put dates in your file names, use the Windows-legal hyphen (Monthly report 4-30-06.doc) instead of the forward slash (Monthly report 4/30/06.doc). Other no-nos: don't use a space at the beginning or end of a file name, and avoid having more than one dot (full stop) in it.

If you have a lot of files that you want to rename to conform to these conventions, simplify the job with Sig Software's NameCleaner and Public Space's A Better Finder Rename (see "Hot links"). These utilities can rename and remove illegal characters from batches of files.

Solution two: Check your encoding.

E-mailing files to Windows users presents its own set of challenges. If the recipients can't open a file you've sent, check your encoding settings.

In Apple's Mail, when you're adding an attachment, select the Send Windows Friendly Attachments option. In Microsoft Entourage, open the Preference pane, select Compose under Mail & News Preferences, and then click

on the Encode For menu. Your best option here is Windows (MIME/Base64). While you're there, turn off compression by making sure None is selected in the Compression drop-down menu. (Mail doesn't compress attachments when you elect to make them Windows-friendly.)

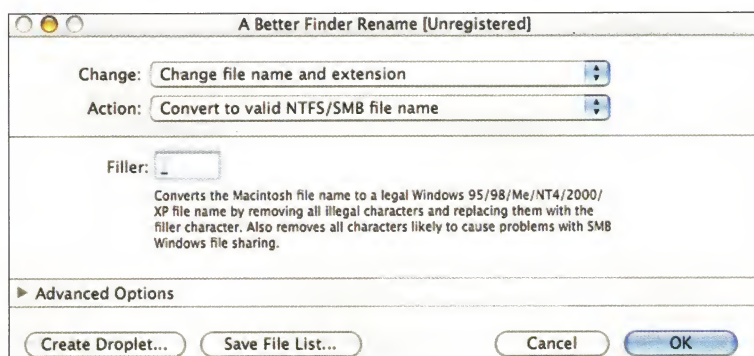
Problem: You can't open files you receive from Windows users.

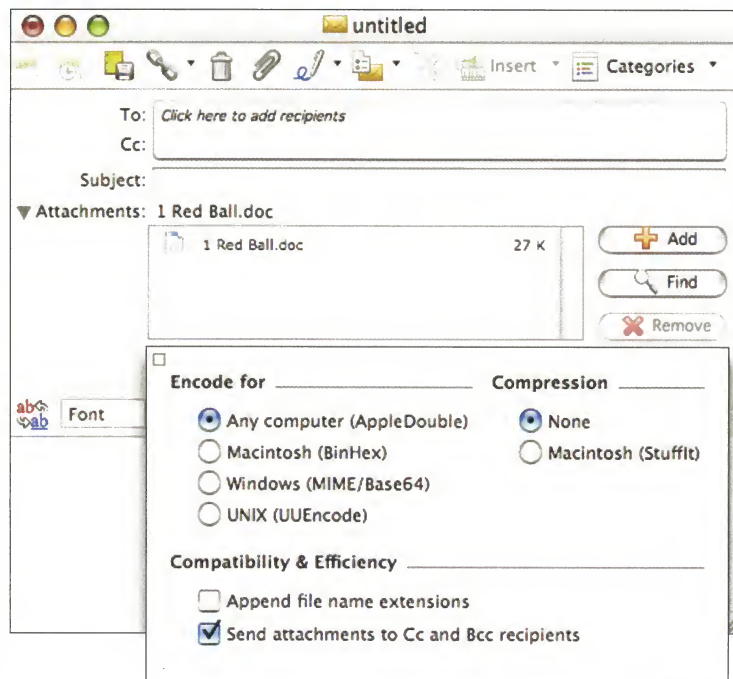
Solution: Convert Winmail.dat files. Occasionally, you'll receive an unopenable e-mail attachment named Winmail.dat from one of your Windows friends (alternatively you may get an unidentifiable file that Get Info reveals as file type "application/ms-tnef" — same thing), and he or she will insist that the attachment was a Word file.

Don't blame your Mac. The fault lies in Exchange Server and Outlook for Windows. When Outlook sends an e-mail message in Rich Text Format over the internet, Exchange Server sometimes creates an attachment called Winmail.dat, containing the message and some encoding data.

One fix is to download and install TNEF's Enough (see "Hot links"), a free Mac utility that can extract a Mac-usable file from a Winmail.dat attachment in a few seconds.

Renaming conventions. A utility such as A Better Finder Rename makes it easier to rename groups of Mac files using Windows-safe syntax.





Friendly attachments. When you're sending e-mail to Windows users from Entourage, you need to adjust the way it encodes attachments.

If your correspondents frequently send you Winmail.dat files and you find it wearisome to keep extracting them, ask them to turn off RTF in Outlook for Windows. (To do this, they would choose Tools: Options, select the Mail Format tab, specify Plain Text in the Send In This Message Format list, and click on OK.) Or just tell them to point their network administrators to the Microsoft Knowledge Base article "How to Prevent the Winmail.dat File from Being Sent to Internet Users" (see "Hot links").

Problem: Fonts in your Mac documents don't show up properly when viewed in Windows, or vice versa.

Solution: Keep fonts simple. If your Windows-based recipients don't have the fonts in your document, their PCs will substitute other fonts. This isn't a problem with plain text and other simple documents, but if you've arranged the pages of your document just so, font substitution can ruin your layout.

The easiest fix is to stick with the fonts common to Mac OS X and Windows. These include Arial, Century Gothic, Comic Sans MS, Courier, Courier New, Georgia, Tahoma, Times, Times New Roman, Trebuchet MS, Verdana, and Wingdings.

Problem: PowerPoint presentations created on a Mac don't play correctly on PCs.

Solution one: Convert your QuickTime movies to a Windows-friendly format. If you're planning to send a PowerPoint file to a Windows user, you should convert any QuickTime movies (MOV files) to AVI or MPEG format (but not MPEG-1) before adding them to the presentation. You can use Apple's QuickTime Pro; just open the movie, choose File: Export, and pick the desired format.

Solution two: Link Word and Excel tables.

PowerPoint also has problems displaying embedded Word tables and Excel spreadsheets when you move presentations between platforms. Either redo tables using PowerPoint's native table engine, or create a link to the Word or Excel document.

To make sure PowerPoint presentations play correctly on different platforms, follow these tips, too:

- > If you have PowerPoint X or earlier, don't use QuickTime transitions: they won't play on Windows. (PowerPoint 2004 doesn't give you the option of using QuickTime transitions.)
- > If your Windows friends are sending you PowerPoint files, tell them to convert any WMV movies they want to include to AVI or MPEG format before adding them to presentations.
- > Flash movies in either Mac or Windows presentations won't play when moved to the other platform. You can get a Flash movie to play only by reinserting it into the presentation after you move it.
- > If you are recording a narration (Slide Show: Record Narration), deselect the Link Narrations option. Otherwise,

PowerPoint will save your narration as an AIFF file, which Windows can't play. 

Compression fractures

For years now, Mac users have been using the SIT or SITX file-compression formats used by Allume's Stuffit.

Unfortunately, Windows can't handle them natively — it prefers the ZIP format. The Finder has been able to deal with ZIP files since OS X 10.3, so if you need to compress files before sending them to PC users, use ZIP. In the Finder, select the file, folder, or group you want to compress, then select File: Create Archive. To decompress a ZIP archive, double-click on its icon.

If you must send a SIT or SITX archive to a Windows user, make sure that person has a copy of Stuffit Expander for Windows (see "Hot links"). If you will be trading compressed files regularly, your Windows friend should get the Windows version of Stuffit Standard or Stuffit Deluxe (distributed in Australia by Pica Australia, 03 9388 9588). Stuffit can also create and decompress encrypted ZIP archives; Mac OS X cannot. If your Windows buddy sends

you a self-extracting EXE file, the Mac version of both Stuffit Standard and Stuffit Deluxe can open it.

Finally, much as you might like to send OS X DMG disk images to your Windows pals, it just won't work. Windows uses an entirely different format (ISO) for virtual disks. So avoid DMGs when moving files between Macs and PCs.



SHARING DRIVES

If you have lots of files — or just a really big one — that you need to share with a Windows user, you may be better off sharing an entire drive instead.



Problem: You want to open Windows-formatted disks on your Mac.

Solution: No problem! (Well, almost.) As of version 10.3 (Panther), OS X can read any hard drives formatted on a PC, as well as any CDs and DVDs. That includes drives that use the FAT (File Allocation Table) and Windows NTFS (New Technology File System) formats.

However, you have to watch out for a couple of annoying problems with the NTFS format. If you have an NTFS drive connected to your Mac at startup, Mac OS X will ask if you want to format it. Don't do so unless you want to erase everything on the drive.

Even worse, OS X can't write to NTFS disks; it can only read them. The only way to write to an NTFS drive from your Mac is to run Windows on the Mac (using Boot Camp or a Windows emulator; see the sidebar "Running Windows on your Mac"). You'll have complete access to NTFS from within Windows. On PowerPC Macs, some Windows emulators (including Virtual PC) can also write to an NTFS disk image.

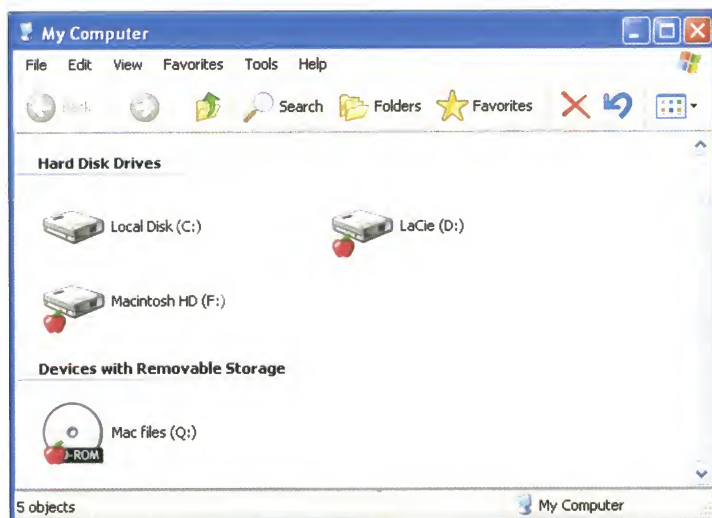
Problem: You need to send a disk from your Mac to a Windows user.

Solution: Format it in FAT32. Windows cannot read the Mac OS-only HFS (Hierarchical File System) and HFS+ formats. One workaround is to reformat the drive you're sending. In Disk Utility, go to the Erase tab's Volume Format

pop-up menu and select a format. The best choice here is MS-DOS File System (the PC's FAT32 format). Just don't use Mac OS Extended or any of its variations; that's HFS+. And remember that OS X can't format a drive in NTFS.

If reformatting the drive isn't an option, your Windows friends will have to install software that allows Windows to read Mac-formatted drives. One of the best utilities for this purpose is MediaFour's MacDrive (see "Hot links").

Mac drives in Windows. With Mediafour's MacDrive installed in Windows, Mac-formatted drives look just like PC drives.



Format	Used primarily by	Windows Read	Windows Write	OS X Read	OS X Write	Best use
FAT32 (File Allocation Table [32-bit])	Windows	✓	✓	✓	✓	Swapping drives back and forth between Macs and PCs.
NTFS (New Technology File System)	Windows	✓	✓	✓	✗	Reading a Windows-formatted drive once and not needing to send it back with Mac data.
HFS, HFS+ (Hierarchical File System)	OS X	✗	✗	✓	✓	Sharing drives with other Mac systems and with Windows systems that have MacDrive installed.
UFS (Unix File System)	Unix	✗	✗	✓	✓	Sharing hard drives with certain Unix systems, but not with Windows.

✓ = yes. ✗ = no.

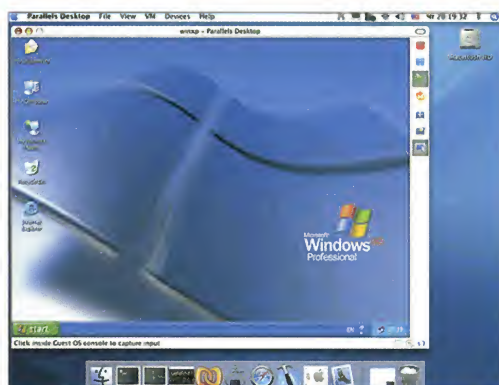
Running Windows on your Mac

If exchanging files and drives with your Windows friends doesn't serve all your needs, you can always run Windows and Windows apps on your Mac. These days, you've got all kinds of options for doing so.

On Intel-based Macs, Apple's Boot Camp lets you boot into Windows or OS X, but not both: to switch between operating systems, you must do a full reboot. Parallels Desktop lets you run Windows from within OS X. In either case, because Windows is running on Intel chips, it can feel as snappy on a Mac as it does on a PC.

If you have a PowerPC Mac, Windows will run slower. Microsoft's Virtual PC, Lismore Software Systems' Guest PC 1.2 and iEmulator.com's iEmulator trick Windows into thinking your Mac is an Intel-based PC; this takes some processing power. Virtual PC is top dog in terms of speed and features, followed by Guest PC. iEmulator is less expensive but also less advanced.

Mike Kronenberg's Q and OpenOSX's WinTel emulators come in both Intel and PowerPC versions. Naturally, the Intel versions run faster than their PowerPC counterparts — but on



each platform, Q and WinTel are slower than their competitors.

Virtual PC is the only product you can buy with Windows preinstalled. The others all require that you also buy a copy of Windows. Virtual PC gives you the most options for interacting between Windows and OS X; it even puts a Start menu in the Dock.

DarWine is in a class of its own: it lets you run Windows applications in OS X without actually running

Windows. Unfortunately, it's still in the early stages of development and, as its web site warns, "is not yet suited for mass distribution or general user use."

Northstar takes an entirely new approach: Like the internet remote control service GoToMyPC, it lets you run Windows apps on a remote PC. Unlike GoToMyPC, Northstar supplies the hardware: Windows applications run on Northstar servers and appear on your Mac in the X11 windowing environment (included with Mac OS X 10.3 and later). The \$US100 annual subscription gives you access to a library of Windows software; for an extra fee, you can supply your own.

Emulation, virtualisation and dual-booting

Product	Company	Price	OS X	Processor	Pros	Cons
Boot Camp (beta)	Apple Computer www.apple.com/bootcamp	free	N/A	Intel	Fast, easy installation.	Can't run OS X and Windows at the same time; can't access can't access OS X disk partition from Windows without additional software; some keys don't work.
DarWine 0.9.12	OpenDarWin darwine.opendarwin.org/	free	10.3, 10.4	Universal	No need to buy or run Windows.	Still in early stages of development; no tech support.
Guest PC 1.9	Lismore Software Systems www.lismoresystems.com/en/	\$US70	10.3, 10.4	PowerPC	Relatively inexpensive; allows copy and pasting or dragging of files between OS X and Windows; supports USB peripherals.	Slower than Virtual PC.
iEmulator 1.7.8	iEmulator.com www.iemulator.com	\$US24	10.3, 10.4	PowerPC	Can import PC profiles from Virtual PC 7.	Slower than Virtual PC and Guest PC.
Northstar	True North Technology www.northstaraccess.net	\$US100 annually	10.3, 10.4	Universal	An internet subscription service; runs Windows apps on PowerPC and Intel Macs.	Need connection to internet to run Windows apps.
Parallels Desktop	Parallels www.parallels.com	\$145 from Connexus 02 9975 2799	10.4	Intel	Fast, simultaneous access to OS X and Windows; easy installation; runs Linux.	Can't drag items between OSes; some keys don't work.
Q (beta)	Mike Kronenberg www.kberg.ch/q/	free	10.3, 10.4	Universal	Runs Linux and Windows.	Slow; emulates some hardware; no tech support.
Virtual PC 7	Microsoft www.microsoft.com/mac	\$449 (with Windows XP Home); \$499 (with Windows XP Pro); from Microsoft 132 058	10.2, 10.3, 10.4	PowerPC	Best integration with OS X of any product on either processor; good peripheral support; includes a copy of Windows.	Expensive; won't run Linux.
WinTel	OpenOSX www.openosx.com	\$US25	10.4	Universal	Comes with ten open-source operating systems	Slow; emulates some hardware; doesn't integrate with OS X as well as Virtual PC or Guest PC.

N/A = not applicable.

SHARING NETWORKS

We live in an interconnected world. Sadly, connecting a Mac to a Windows-based network isn't always as straightforward as it should be.



Problem: You want to run Windows apps on your Mac, but you don't want to run Windows on it.

Solution: Remotely control a Windows PC from your Mac. If you need to run Windows programs, you could use something like Boot Camp or Parallels Desktop to run a copy of Windows on your Mac (see the sidebar "Running Windows on your Mac"). But there's an alternative: you can remotely control a Windows PC from your Mac over a local network or the internet. This allows you to see the Windows interface, run Windows apps, and create documents on the remote PC, all from the comfort of your familiar OS X desktop. You can even save files to either your Mac or the remote PC, and copy and paste between Mac and Windows apps.

If you're willing to spend some money, Netopia's Timbuktu Pro (distributed in Australia by ChannelWorx 1300 883 882) is the most complete application for remotely controlling a Windows PC from a Mac. It allows you to control several different versions of Windows and control your Mac from a Windows PC. Timbuktu Pro also includes a number of handy collaborative features such as messaging, file sharing, and Voice over IP.

A free option, Microsoft's Remote Desktop Connection (see "Hot links") lets you control a PC from your Mac. However, it works only with Windows XP Professional or a Windows server. The XP Pro machine must have Remote Desktop Services turned on; the Windows server needs to have Terminal Services configured. Remote Desktop Connection also doesn't let you control your Mac from the Windows PC: it's a one-way street.

Another option would be to set up a Virtual Network Computing (VNC) server on the Windows PC and a VNC client on your Mac. Chicken of the VNC (see "Hot links") is one of the most popular clients for Mac OS X. Be warned: VNC is not as easy to set up and use as Timbuktu Pro.

Finally, you might consider web-based remote control. Citrix's GoToMyPC (see "Hot links"), a subscription service that costs \$US20 a month, lets you access and control a Windows PC from

a Mac (but not vice versa) when you're on any computer, anywhere on the internet.

Problem: You want to log in to your office network remotely from a Mac through a Windows-based VPN (Virtual Private Network).

Solution: Find the right VPN client. VPNs let you access a remote network securely across the internet. Many VPN services are designed primarily for Windows users, but, fortunately, your Mac has a built-in client that works with many of these Windows-friendly VPNs.

To set up the client, you'll first need to ask your network administrator for the name of the VPN server, a user name, and any other details you'll need to log in. You'll also have to find out whether your VPN uses PPTP or L2TP Over IPSec. With that information in hand, open Internet Connect (in the Applications folder) and choose File: New VPN Connection. Click on either PPTP or L2TP Over IPSec (whichever one your network uses) and then click on Continue. In the Configuration pop-up menu, choose Edit Configurations, and then enter the information the network administrator gave you.

Unfortunately, OS X's built-in client doesn't work with all VPNs. If you run into problems, the next step is to download a Mac client from the company that makes your VPN's hardware. For instance, the popular Cisco VPN Client for Mac is free to Cisco customers. If your VPN doesn't have a Mac client, or if you need to access many different VPN systems, you can try a third-party universal VPN client such as VPN Tracker, from Equinux (see "Hot links"). Note that new versions of OS X frequently break VPN client software. Before you upgrade to Leopard (Mac OS X 10.5), you'll want to check the web for reports about your VPN client.

Problem: You want to view a web site that's designed for a Windows browser.

Solution one: Use another browser. Though the web is supposed to be platform-agnostic, some sites work better in

Windows than on the Mac. You may still run into the occasional page that doesn't work quite right. Maybe it doesn't display properly or has a pop-up movie that won't play. Whatever the problem, you have a couple of options.

First, try a different browser. Internet Explorer (IE) is a good place to start – as long as you already have a copy installed; Microsoft no longer offers it as a download. (You can still, however, find it elsewhere online.) You can also try Mozilla's Firefox and Camino.

Solution two: Pretend you're using a different browser. If that doesn't help, try tweaking your current browser so web sites think it's something else. In Safari, use the Debug menu: In Terminal, enter `defaults write com.apple.Safari IncludeDebugMenu 1` at the prompt. When you relaunch Safari, open the new Debug menu and select User Agent, which will display a list of browsers. Choose Windows MSIE 6.0. That may trick Windows-friendly sites into thinking you're one of Them.

Some businesses have internal web pages that download Windows apps to your browser. If you work at such an organisation, no Mac browser will work. You need to run Windows on your Mac, and then fire up IE for Windows.

Problem: You want to connect your Mac to a Windows network that uses Microsoft Active Directory.

Solution: Help your IT people. Big Windows networks often use Microsoft Active Directory (AD) to manage user accounts and provide security, among other things. AD enables administrators to put users' home folders on a server, rather than on their local machines, and can give users access to all of a network's resources through a single log-on.

With each new version of OS X, Apple has improved the Mac's compatibility with AD – but it's still one of the thorniest cross-platform issues.

Getting connected to AD is definitely not a do-it-yourself project; you'll need to get your network administrator involved. You can't leave it solely up to your admin though; he or she may not even know it's possible to add a Mac to AD. Here's how you can help.

First, point your network administrator to some online information resources:

- > Apple has an article that tells you how to use the Directory Access utility to use AD home directories (see "Hot links").

- > Troubleshooting AD problems is often more difficult than setting it up. I run a web site that includes descriptions of known problems and their fixes (see "Hot links").

- > If your network also includes some Linux machines, Big Nerd Ranch has an article that could help (see "Hot links").

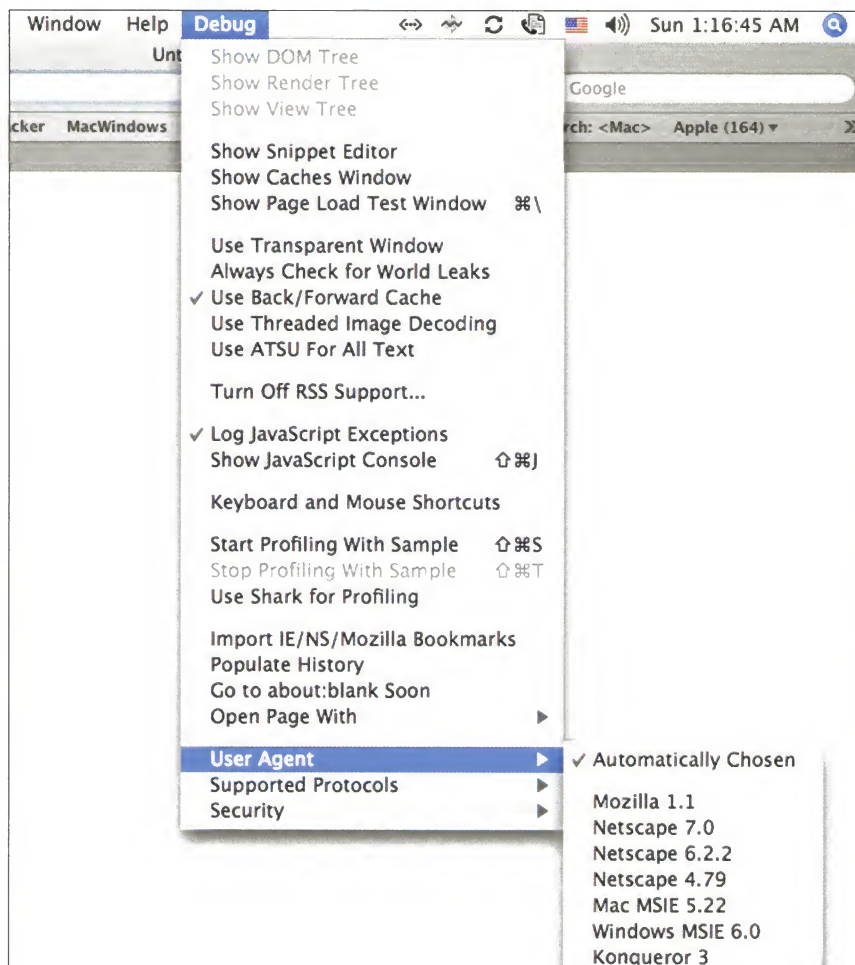
Another option is to go with third-party software, which can give you or the network admin features that you won't get from OS X. The downside is that you have to pay for the software. Luckily, there are two that offer free trials:

- > ADmitMac, from Thursby Software (distributed here by MacSense 02 9788 3288 or see "Hot links"), installs on OS X and doesn't require changes to any server. It enables the Mac to connect securely to the AD domain and avoids the SMB file-sharing problems that can plague OS X-AD connections.

- > Centrify's DirectControl (see "Hot links") is aimed at system administrators who want to integrate not only Mac OS, but also Linux and Unix, into AD. DirectControl includes software that installs on client machines, as well as administration tools that run on Windows PCs.

Finally, if you use OS X's built-in SMB client to access some Windows volumes on a network, Mac OS may inadvertently leave behind some files that are invisible to you but quite visible – and potentially irritating – to your Windows-using network neighbours. To avoid this problem, try using ZeroOneTwenty's BlueHarvest (see "Hot links").

Browser spoofing. The User Agent option in Safari's Debug menu can disguise your Mac status from Windows-oriented web sites.





.Mac on a budget

THERE'S no doubt that Apple's .Mac subscription is a nicely integrated package of online services, but does the \$140 per year price stand up in the face of free online equivalent services? I set out to find out.

Space for your iWeb site. Basic web-hosting is not something one should expect to pay much for at all these days. Your ISP account comes with a small amount of free web space, and Australian host Jumba Interactive offers 500MB of space free with no charge at all, just to get you in the door. Apple's value-add here is that you don't have to do anything manually to upload your web site from iWeb to the .Mac space. However that's more a case of Apple crippling the software — it could have made it possible to upload to any web space with the addition of a simple preference box. Nonetheless, you can save your iWeb site to disk and upload it to web space of your choice using an FTP client like the shareware Transmit or freeware SimpleFTP.

Photocasting. It's nice to have the iPhoto integration that lets your friends and relatives subscribe to a feed of your photos. However, with a freeware plugin called FlickrExport you can upload your pictures to the Flickr photo sharing web site from within iPhoto, and your acquaintances can subscribe to your Flickr account RSS feed. Admittedly the .Mac service is superior in some ways: you can have a private, password-protected feed, and the sharing process built into iPhoto is very easy. Worth the money? Probably not.

1GB iDisk. Apple's 1GB of online storage space sounded like a lot until companies like Google started offering multi-gigabyte e-mail accounts. However, the recent development which really makes Apple's service pale in comparison is Amazon's S3 online storage space. It costs 15 US cents a month per gigabyte that you store there and 20 US cents for each gigabyte transferred. There's an enterprising shareware developer, JungleDisk, which has created an application that works on Mac, Windows and Linux and can backup your files to Amazon's S3 space, and make the space available as a disk mounted on your desktop just like iDisk.

Backup software. Apple's Backup software is easy-to-use, but there's ample freeware software out there that does a good job, too.



Hot Links

www.jumba.com.au
Jumba Interactive
www.flickr.com
Flickr
connectedflow.com/flickrlexport/
FlickrExport
www.jungledisk.com
JungleDisk
www.google.com/tools/firefox/browser-sync/
Google Browser Sync

groups.yahoo.com
Yahoo Groups
fastmail.com.au
Fastmail
macfixitforums.com/
MacFixitForums
forums.whirlpool.net.au/
Whirlpool Mac Forum

.Mac chat. It's free anyway. Even if your .Mac membership has expired, chat keeps working.

.Mac sync. Probably the most valuable part of .Mac is its ability to sync browser settings, contacts, and other data contributed by third-party applications, between multiple Macs. However, it only works between Macs, which is quite frustrating for people who work on Windows PCs at work and a Mac at home. Google Browser Sync is a good alternative. It synchronises bookmarks, cookies, passwords, history and even open tabs and windows, securely using encrypted storage space at Google. And it's free. Online contact syncing isn't so straightforward yet — Apple wins here.

.Mac groups. Yahoo Groups. Free. Need I say more. It's hard to understand why Apple would make mailing lists and online forums a chargeable service.

.Mac learning centre. Are Apple-produced videos and training tools worth the money when there are so many great free web sites dedi-

cated to Mac users online? Maybe, maybe not. If you're prepared to wait for another Mac user to answer your question, MacFixit Forums or Whirlpool's Mac forum can't be beaten.

.Mac e-mail address. one of Apple's original drawcards for the iTools service (back when .Mac was free) was the exclusive @mac.com e-mail address you could get as a subscriber. Frankly, it's

hard to beat registering your own

domain for about \$US8 a year and using an inexpensive hosted mail service like FastMail (2GB mail storage on your own domain plus 1GB web space for \$US34.95 a year) or Jumba Interactive (500MB space, five e-mail accounts, on your own domain — free of charge). And of course there's Gmail — Google's whopping free 2.7GB mailbox that can be accessed via POP3 for download to your mail client.

So does .Mac measure up to the free service alternatives? My sense is that it doesn't, but I'd be interested to hear your thoughts. Drop a line to matthew.powell@niche.com.au with the subject ".Mac on a budget". ☞

Dan Warne is passionate about the state of broadband in Australia.



www.buymac.com.au



Try an independent Apple dealer. We have over 10 years experience in Apple sales. Our expert knowledge and passion for everything Mac has earned us a dedicated following across Australia. But don't take our word for it. Visit our secure online store at www.buymac.com.au

Call 1800 BUY MAC (1800 289 622)
PalaeoGraphics Level 1, 285 Glenhuntly Rd. Elsternwick Vic



**SERIOUS ABOUT YOUR IPOD?
TAKE IT TO THE NEXT LEVEL WITH YAMAHA**



Easily connected via a single cable, Yamaha's latest AV receivers and YDS-10S iPod Dock seamlessly integrate your iPod with your home entertainment system. Experience instant access to all your favourite iPod tunes and images, while enjoying full on-screen menu navigation through your TV or monitor, using the receiver's remote control. And with Compressed Music Enhancer and Yamaha's renowned Cinema DSP sound technology, your playlists have never sounded so good.

**YAMAHA - WHERE TRADITIONAL CRAFTSMANSHIP
MEETS LATEST TECHNOLOGY.**



For further information about the YDS-10S iPod Dock and compatible AV receivers, call 1300 739 411 or visit www.yamahamusic.com.au/ipod



YAMAHA

IPOD IS A TRADEMARK OF APPLE COMPUTER, INC., REGISTERED IN THE U.S. AND OTHER COUNTRIES.

08.2006

The Hub

YOUR DIGITAL LIFESTYLE



THE STOCK MARKET

Enhance your videos with royalty-free stock assets



Plus: Digital SLRs from Sony,
Panasonic and Nikon • The best
music widgets • Sony Ericsson z520i

By Seamus Byrne

The royalty-free treatment

MANY great ideas for creative videos can get bogged down in the post-production phase. When you start to see all the additional content you need to get things just right, it can get quite overwhelming if you think you need to go out and create these things yourself. The great news is you don't have to start from scratch. There are many asset resources available to take the burden away.

Even the biggest in the TV and film industries use asset libraries in place of creating everything themselves. Of course, they have the budget to buy whatever they want and the studios will often have massive asset libraries already available. Those with a careful ear would have already noticed a few sound effects that appear in different big productions — these are exactly the kind of royalty-free assets I am talking about. You can follow their lead by getting to know what is out there and how to find royalty-free assets to suit your budget. You may even stumble across those very sounds you have heard when exploring the libraries and collections available.

There are three main ways to track down assets: you can search online web sites and databases of free or commercial assets for something that meets your needs; you can search Creative Commons (CC) asset collections, again online, for use in non-commercial videos; or you can go to commercial collections to build your own library of resources to draw from. None is more advantageous than another, though those on a particularly limited budget would do well to hit the web for free and CC offerings. Those with a bit to spend should consider collections as part of building their own library.

The sound of things to come.

Perhaps the easiest of all categories to sink your teeth into is audio. There are many great audio sources available both online and through commercial release. If you are working on a video soundtrack, you could benefit greatly by having access to music loops, and as you should be aware Apple has a good range of Jam Packs that inte-

grate very nicely into its range of audio applications. There are plenty more libraries just like them available too.

For your digetic sounds (the ones that are part of the action), it is a little trickier to find the quality. Various noise effects and background tones can again be found in commercial collections, but sometimes you may find them easier to make than to purchase. Some good resource research before you need them is important, so you know where to look when it counts. Be prepared to pay up to a few hundred (or thousand at the truly high end) for disc libraries of a few thousand loops and/or effects, or a few dollars per effect when you buy only what you need. Yes, a lot of "fews" in there, but things vary quite a lot.

A bit of graphical pizzazz.

Title sequences, transitions, credits and green screen backdrops — there are a lot of reasons why you might need some slick graphical elements, whether static or animated. Short videos rarely demand the epic quality of blockbuster title sequences, though you may find you want to get such a vibe across in your work. When working to a TV style, animated transitions and graphical backdrops can really sell the idea — though make sure you make a green screen that keys very well.

Stock graphics can be picked up quite cheaply, if you hit the right sources. Plus many motion graphics applications can produce unique effects in just a few clicks, so this is often the perfect place to start if you have access to Motion, After Effects, or similar programs. Taking a look at the resources available online and on commercial discs will give you a great idea of just how good these pre-produced elements can be and what you should expect to pay for something that works for you.

Whenever you look into such elements, keep in mind there is a very fine line between stylishly flashy and garishly tasteless. You just need to do your best to develop an eye for quality over raw sparkle.

Image problems? Photos may not be the number one element you are looking for in your videos, but they can, like graphics, have an excellent role to play in titles, transitions, or in other graphical sequences. When searching for royalty-free images, make sure you understand the licence, as images in particular can have the most complex rights management allowances. Some may allow any kind of use, but others may only offer reproduction without modification, which can rule out the application of effects filters in your video work.

As a big challenge, you could even use nothing but photos as the basis for a creative video. *La Jetée*, famously remade as *Twelve Monkeys*, was a science-fiction short made up entirely of stills (except for one single shot).

It may be that you need to shoot your own stills to best suit your video, but knowing your way around some online photo libraries is a must. You may find something that is perfect for a DVD sleeve or promotional poster, if not for the work itself.

Users of Adobe CS2 should by now have used Adobe Bridge, with integrated image search across some of the world's best image archives, including some of those mentioned here already. If you have it, it's a great place to start your search for photography.

"If only I had a shot of a..."

There will always be a time when you could use a piece of stock video to add polish to your work. Need a location identifier for the place your video is set, but isn't actually being shot? Even if you are shooting there, what if you had a sweeping helicopter shot as the location opener? It could cost a lot to shoot yourself, or a tenth as much to buy stock.

The utility of stock gets even better if you are working on a music video, or a particularly creative effort. Take a look around some of the sources and you may even find some ideas for whole new projects based around some of these clips.

Asset resources

Here is a list of 24 picks from across all asset categories. Some free, some commercial, but all offering good quality resources to draw from. From the web site listings, you will also find links to many more royalty-free resources. I have mentioned price where I can, but some sites have a huge variety in pricing, making it difficult to set any expectation on what you would need to pay. Happy hunting.

Apple Jam Packs (Audio). An excellent place to start a music loop library, with perfect integration into Apple's GarageBand, Soundtrack Pro and Logic software packages. At \$149 each, these DVDs of 2000+ loops are perfect for even the most professional productions.

www.apple.com/au/ilife/garageband/jampacks/

Sony Pictures Sound Effects (Audio). From the archives of Sony Pictures, this is a stellar collection of sound effects, and the \$599 price tag for the full ten-disc collection is a quality investment for so much quality. Also available in two five-disc collections. Each disc sticks to a certain effects space, ranging across nature sounds, background tones, vehicles, sci-fi, horror, explosions, period sounds and a lot more, with many effects layered in 5.1 surround sound.

www.sonymediasoftware.com

Partners in Rhyme (Audio). Not only does this site offer many collections of sounds and music loops, you can also request specific sounds to be produced for you by the team behind the site — there are even some free sounds on offer.

www.partnersinrhyme.com

Sound Dogs (Audio). Reportedly one of the original audio sample sites on the internet, Sound Dogs has a lot of sounds on offer. MP3 previews make it easy to audition what you need, and everything from effects to loops and even vocals are here, along with some surround sound effects. Buy individual effects or collections.

www.sounddogs.com

The Freesound Project (Audio). One of the best efforts to produce a professional-quality archive of free audio samples and effects. The search mechanism is interesting, with waveforms displayed as part of search results. This does a good job of giving a visual representation of what you should expect from the clip. Browse by tags, get random clips, or search by keyword.

freesound.iua.upf.edu

SoundStorm (Audio). Perhaps the biggest name in audio effects libraries, with a price to match. The site lists many major motion pictures whose sound design has used this library's 50,000+ files. You can download a search database of SoundStorm's available files, or purchase the library for US\$7,500 — it even comes with a 320GB LaCie hard drive.

www.soundstorm.com

Audio Network (Audio). Explore both sound effects and production music libraries here, with tens of thousands of clips on offer. The effects library is made up largely of SoundStorm sounds, available for £2 per sound. Music can be searched by genre, mood, instrumentation and more. The breakdowns across each of these distinctions is excellent, with over 50 categories of mood, for instance. Excellent descriptions make this all very easy to use.

audiolicense.net

Hollywood Edge (Audio). Sound effects, music and samples all on offer here. Delivered in collections ranging from under \$US100 to over \$US5000, this last for a massive collection of discs. The Premiere Edition effects collections are stand outs, and look at the "what's hot" list for other standouts in the range.

www.hollywoodedge.com

3D Arsenal (Graphics). Here is a collection of over 300 3D scenes, for use with LightWave 3D, that can be used to map video sources in virtual environments. Place your video on screens in virtual space. Also options available for logo work.

www.toasterdudes.com

Dosch Design (Audio, Graphics, Video). A company that offers elements across the spectrum, with everything from 3D models, HDR images, movie clips, audio files and layered graphical effects. Too many price variations to mention here, though they are on the expensive side. Great quality across all categories.

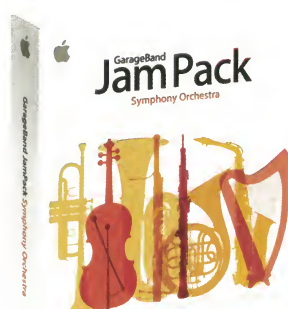
www.doschdesign.com

Getty Images (Photo, Video). One of the best image archives on the planet. Getty images can be expensive, but you can search this site of many thousands of images and stock video footage, or even commission the perfect shots you need from their global team of photographers and cinematographers. Even just for inspiration, this site is a must.

www.gettyimages.com

Jupiter Images (Photo). Another first-rate image archive on par with Getty Images. Keyword searchable, with searches running across a large number of royalty-free image archives from the greater Jupiter family.

www.jupiterimages.com





Magnum (Photo). The all-time classic photographers' collective is another potential wellspring of inspiration. Searching Magnum for images will offer truly unique photography from around the world, and of the highest order. If you are working in the documentary space, you may find some perfect images here from the world's best photographers.

www.magnumphotos.com

Corbis (Photo, Graphics, Video). This sits well along side Getty and Jupiter, plus it has one of the best footage collections I've seen. Fantastic time-lapse clips available, as well as great backgrounds and effects, on some great royalty-free disc collections. Check the Corbis Motion area for these.

www.corbis.com

Flickr (Photo). The great photo-sharing web site also has a specific Creative Commons option with the Explore area, letting you see all the images licensed in ways that allow you to reuse. You can see exactly which kind of CC license is in use, so you will know what you can and can't do with all images found.

www.flickr.com/creativecommons/

Creative Commons (Audio, Photo, Video). You can go to Flickr for photos, or you can go straight to the source of all things "some rights reserved". Search for audio, images and footage, with an option to limit searches by those works you can use for commercial purposes, as well as those you can modify, adapt and build upon. All this, plus links to further collections of CC licensed works.

www.creativecommons.org

BBC Motion Gallery (Photo, Video). The BBC has made its archives available to the world, with some remarkable footage on offer. Such is the success of this service, they are now also representing Japan's NHK, the US's CBS, and our ABC. There is even a widget available that lets you search the archive from the dashboard. For stock footage of all kinds, this is hard to top.

www.bbcmotiongallery.com

Footage Firm (Graphics, Video). A specialist in location footage, with a massive representation of American cities, but a great range of international locations too. Footage also across many sports and natural scenes, plus motion graphics.

www.footagefirm.com

Digital Juice (Graphics, Video). One of the best producers of unique footage and motion graphics, with collections available at some great pricing. For just a couple of hundred US dollars there are some extensive collections available of both stock footage and motion graphics, with some for less than US\$100. A must see.

www.digitaljuice.com

Artbeats (Video). Very slick stock footage here, across a wide range of categories. Collections are offered in very specific ways, such as city traffic. You can also request footage. Pricing from \$US500 to \$US1000, though a starter kit is on offer for \$US199.

www.artbeats.com

Blue Sky (Video). Some of the most beautiful colour control of any of the stock footage sites here. As a specialist in outdoor scenes, both city and rural, the boldness of colour and composition is perfect. Custom

footage on request as well.

www.blueskyfootage.com

Royalty-free HD (Video). Many of the sites here are offering HD, but here is a specialist of the medium. Some green-screened and black-background shots for easy integration into keyed backgrounds. The "Things" collections, in particular, look fabulous.

www.royaltyfreehd.com

Reelhouse (Graphics, Video). Like Blue Sky, this site offers some of the slickest stock footage in terms of quality of production. The motion graphics on offer here are a real stand out, with some excellent crossover between footage and effects imagery. \$US399 is a common price point.

www.reelhouse.com



Royalty-free?

Royalty-free describes content that you don't have to pay for based on future usage, sales, or profits. If commercial, it may require a one-time fee, though some may be for single-use only. Other free sources may have stipulations on exactly how the assets can be used, but are otherwise completely open to use and re-use.

What you won't get from royalty-free is exclusive rights to an asset. This is where "rights-managed" assets come into play — where, for a lot more money than commercial royalty-free, you can buy exclusive national or international rights for an agreed period of time. Some sources mentioned here offer both licensing options.

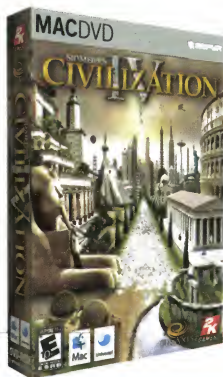
New Products from Try & Byte

Civilization 4

\$64.95

With Sid Meier's Civilization IV, history as you know it, is history. Rule throughout time and create your own legacy as you guide your civilization from the dawn of man through the space age and beyond. Implement new technologies, conduct diplomacy or wage war to grow your society and become the most powerful leader the world has ever known.

Features: A 3D living world. All new interface. Multiplayer modes and a variety of customization options.

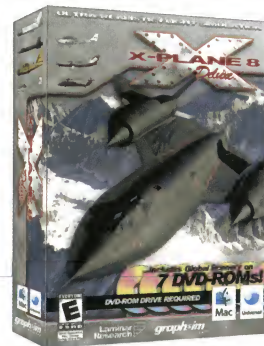


X-Plane 8 Deluxe Edition

\$119.95

X-Plane is the most comprehensive and powerful flight simulator available for the personal computer. X-Plane simulates anything that flies: single-engine fixed wing props to multi-engine jets; gliders to dirigibles; helicopters to spacecraft to VTOLs such as the V-22 Osprey and AV8-B Harrier.

The deluxe version includes 7 DVDs with scenery for the entire planet! Also X-Plane is now Universal Binary to run natively on both Power-PC as well as the new Intel Macs.



Trueton Wireless 2.5" Enclosure

\$150.00

The Trueton TWS5400G packs many features into a slim and compact design that can be used at home and on the road.

Features:

- Built in 802.11b/g wireless, use as an access point and to access drive data.
- USB printer/disk sharing.
- USB2.0 host mode, connect a storage device and use one-button backup to copy contents to drive.
- Web management software.
- Supports FAT32/EXT2 File Systems and 2.5" Drives up to 120GB.



XBrand Laptop Stands

XBrand Lapdesk with Retractable Mousepad:

Designed to insulate your legs and clothing by shielding you from heat generated by your laptop. It also improves your comfort and productivity by enabling you to use an standard mouse when using your laptop in your lap. - **\$49.95**



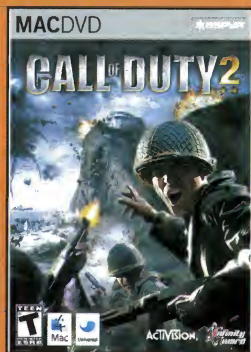
XBrand Adjustable Laptop Stand:

Improve comfort and productivity by transforming your laptop into a desktop computer. The 360° Height Adjustable Laptop Stand offers better ergonomic positioning of your laptop. - **\$89.95**



Quake 4

Now Shipping - **\$64.95**



Call of Duty 2

Now Shipping - **\$64.95**



World Book 2006

Universal Binary - **\$89.95**



i-rocks i-mini USB mouse



i-rocks i-mini slim keyboard

iRocks Slim Keyboard + Mouse Bundle

Great Value - **\$59.95**

©2006. Prices and specifications subject to change without notice. Prices do not include delivery. iPod not included with any of these accessories.

Available from your local AppleCentre or directly from Try & Byte
To find your nearest AppleCentre, go to: <http://www.apple.com/au/buy/>

TRY & BYTE

www.tryandbyte.com.au

Unit 17, 2a Herbert St, St Leonards NSW 2065
Tel (02) 9906 5227 • Fax (02) 9906 5605

jupiterimages™

your search ends here

see what you're missing

Creatas Images: 22210108

Complete your search, visit www.jupiterimages.com.au today

Rights-Managed | Royalty-Free | Subscription

If you haven't visited Jupiterimages, you haven't seen the entire picture. More than 50 brands and millions of images.

1800 225 319

www.jupiterimages.com.au

By Ian Yates



Hot Links

www.sony.com.au
 www.panasonic.com.au
 NKOTB
 www.nikon.com.au
 The established player

A parade of dSLRs

ALTHOUGH Konica-Minolta has walked away from the camera market which was the foundation for the previously separate Konica and Minolta, the company managed to sell its technology to Sony, which is still very much interested in the digital camera market. After a period of integration with Sony's existing technology, the new α 100 digital SLR has emerged.

Powered by Sony's Bionz image processing engine, offering 10.2 mega-pixel resolution, and with Super SteadyShot anti-shake function built into the camera's body, the α 100 is compatible with the vast number of Konica-Minolta Maxxum lenses currently in the market, as well as new lenses released by Sony to go with the new dSLR.

This approach should appeal to amateur photographers who resent having to pay for anti-shake technology built into each lens and should also make it easier and faster for third-party lens makers such as Sigma to produce compatible glass. Sony offers a range of 21 interchangeable lenses, which includes two Carl Zeiss fixed-length lenses and two tele-converters. The new lenses are designed for the APS-C sized imaging element, which keeps them lightweight and compact.

The α 100 has a special anti-dust coating on the CCD to reduce static build-up and thereby prevent dust being attracted to its surface. The Super SteadyShot anti-vibration mechanism is also designed to activate anti-dust vibrations when turning to off-mode, causing the dust to be literally shaken off the sensor. Both methods combine to reduce the need for manually cleaning the sensor and should also reduce the time spent editing spots off your photos.

An unusual feature in a prosumer dSLR is the Eye-Start auto-focus system, which wakes the camera from slumber as soon as you bring your eye to the viewfinder and also switches off the back panel LCD if you've

been using it. The LCD is a 2.5-inch panel with 230,000 pixels and a wide-angle view, which should reduce the crush when friends ask to see

your most recent shot. When the camera is rotated to take or display a vertical shot, the internal electronics also rotates the camera's information display to the correct orientation.

Australian pricing had not been finalised at press time.

Not to be outdone. Nikon has updated its top of the range dSLR with a range of revised features claimed to make operation significantly more responsive. These include refined viewfinder performance, making for easier composition when shooting in Nikon's exclusive High-Speed Crop mode, a new 2.5-inch LCD with a 170-degree wide viewing angle calibrated at the factory to ensure consistent colour fidelity, significantly increased battery life, and a wide range of firmware enhancements.

Price is expected to be a shade under \$5K.

Meanwhile, Panasonic is another digicam maker moving up into the dSLR market. Its continuing association with German camera and lens maker Leica seems to have influenced the design of the DMC-L1 digital SLR, which looks much more like a Leica rangefinder camera than other makers' SLRs. The unusual design hides an equally unusual feature missing on other brands of dSLR: the ability to take a photo using the LCD panel as a viewfinder.

Panasonic calls this feature "full-time Live View" and it provides a 100 percent view field coverage (that is, the same image seen by the image sensor) on the DMC-L1's 2.5-inch LCD monitor. You can compose and shoot in the same way digicam users do, which it's worth mentioning should only be done as a last



resort to get an otherwise unobtainable shot. One of the main attractions of the SLR philosophy is that the viewfinder reflects reality and leads to better framing and therefore better photos. When you forego the viewfinder for the LCD screen you are reverting to consumer digicam mode.

The LCD screen also displays critical information such as a live histogram and white balance, which can be checked prior to snapping the shot. When a tripod is used, full-time Live View lets you compose the image without bending to peer through the viewfinder. Used sensibly full-time Live View should give you both more shooting flexibility and greater convenience.

The Live MOS image sensor must remain on when full-time Live View is in use sending the signal directly to the LCD, allowing high-quality display on the LCD screen of the same image seen in the sensor. When the full-time Live View function is active, the internal mirror is in the raised position, which means that there will be no image visible in the optical viewfinder.

The camera also offers a dust reduction system claimed to eliminate the long-standing problem of dust adhering to the sensor. Panasonic has solved this problem by equipping the DMC-L1 with a system that uses supersonic vibration to shake off any dust clinging to the sensor. This should simplify camera maintenance and reduce the worry about dust entering the camera body when lenses are being changed.

The Panasonic DMC-L1 is due to be released in September, with an expected price around \$US2K for the body with a Leica 14-50mm lens attached.



Hot Links

www.bibblelabs.com/
What are you bibbling at?

Bibble 4.8 upgrade

PROFESSIONAL photographers usually shoot in RAW format rather than suffer any loss of data in the JPEG conversion process, but most amateurs who have tried it find the process too slow and cumbersome. Pros don't like to be kept waiting either, and one of their favourite tools is Bibble, now in release 4.8, which is designed for speed over features, to get your images quickly into TIFF format for subsequent processing with the likes of Photoshop.


Sure you can do it all in Photoshop, and there are third-party RAW processing plugins to speed up the process, but Bibble is designed to sift through a pile of images rapidly, letting you select those you want to turn into masterpieces, and ignore the others. Once you've selected and tagged the photos, Bibble's batch processor takes over and crunches the edits and changes you've requested, while you get back behind the camera.

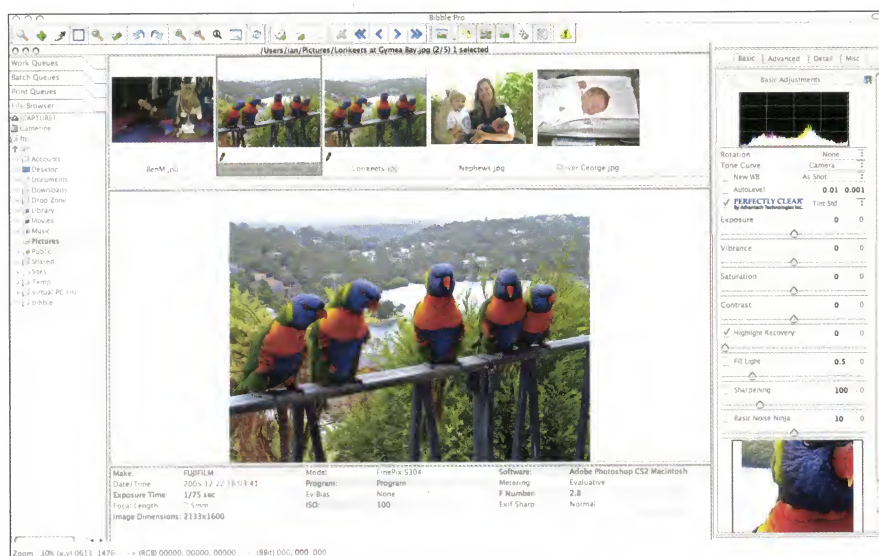
Bibble includes a bunch of the most common corrections that working photographers find themselves performing regularly; such as correcting for known lens aberrations such as barrel and pin-cushion distortion, as well as chromatic aberration and vignetting using the built-in lens database; reducing noise built up by exposure correction; and arbitrary rotation to correct sightlines of buildings and horizons. The

drudgery-reducing appeal of Bibble's batch processing jumps to the foreground when you discover that you can apply the same corrections to an entire photo shoot without having to view and edit each shot separately.

The full version of Bibble is available online for \$US130 and for that price you get a licence to run the software not only on your Macintosh, but also on Windows and Linux machines. This could be a real time and money saver if you need to post-process on something other than your own Macintosh, such as the Windows PCs in the nearest internet cafe. The Bibble

install file is only 30MB, which means you can keep a copy in the corner of your USB-drive.

There's also a Bibble Lite designed for amateurs, priced at \$US70, which deletes a few features that are most likely only useful to a working pro (such as Tethered Shooting). The Bibble Lite price restricts you to your choice of just one operating system, but it remains just as fast in operation as its more expensive sibling. If you're tired of staring at the wall waiting for your images to rotate in iPhoto or Kodak EasyShare you will delight at the instantaneous results offered by Bibble. 



Store more photos per card


IF you develop a taste for shooting in RAW mode, you will soon develop a commensurate taste for oodles of memory cards, and the bigger the capacity the more appealing they will become. SanDisk is already shipping compact flash cards with up to 8GB capacity and Kingston has joined the club with its CompactFlash Elite Pro Card now offering an 8GB maximum.

Owners of cameras which use SD cards or Sony's Memory Stick cards have been

restricted to a 2GB maximum, but that is set to change with Panasonic announcing a 4GB card in its new SD Memory Card line-up. Sales of the new cards are scheduled to begin this month (August), so check with your favourite online or offline camera store for pricing and availability.

The increased capacity will also appeal to those who like to add a bit of video to their still collection using their digicam's built-in MPEG2 functions. Nothing eats up

space on a memory card like video footage, but with 4GB you'll be able to shoot twice as much movie before the card-full message appears.

One of the best portable card download devices is any iPod with a hard disk inside, but 5G iPod owners must continue to wait for compatible adapters to appear on the market, because most media readers are designed to use FireWire — which Apple in its wisdom omitted from the 5G iPods. 

Fine Tuning Flash With Steve Gartner

\$265 GST INC to attend this seminar

Steve Gartner is a Multimedia developer and teacher who over the past 8 years has developed extensive production skills with Macromedia Flash working both in Australia and Europe.

Steve currently works with action scripting, producing engaging content for e-Learning modules used in the Australian and New Zealand education system, and is highly sought after for his broad range of web development skills, centering around Flash.

August 21 to 25

Brisbane Sydney Canberra Melbourne

Fine Tuning Flash is a full-day seminar, exploring the power of Macromedia Flash & how it can be used to create dynamic elements for websites, CD-ROM's and multimedia presentations.

Discover the Flash production workflow, and the best ways to realise your visions.

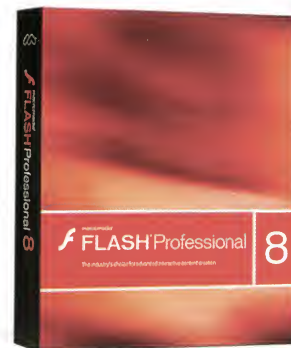
Create seamless animation loops with precision, using key-frames and tweens.

Extend your creative options by utilising Illustrator objects in your Flash movies.

Achieve maximum efficiency by re-using assets from existing Flash projects.

Include video and photographic content for dynamic and engaging Flash movies.

Create standalone multimedia applications from your Flash projects.



Unlocking Final Cut Pro With Jon Rishworth

\$265 GST INC to attend this seminar

Jon Rishworth is a film and video professional, qualified teacher and Apple Final Cut Pro expert. Jon uses Final Cut Pro daily in his role as senior production supervisor at the Melbourne Metropolitan Fire Brigade's statewide TV station, Fire Vision.

Jon currently oversees a fully digital production facility, from a five-camera studio to live fire-scene broadcasting. All edited for broadcast in Final Cut Pro.

August 28 to September 1

Sydney Brisbane Canberra Melbourne

Unlocking Final Cut Pro is a full-day seminar, uncovering the complete production workflow from capture, to post, to edited broadcast output, or DVD.

Discover the realities of the production environment & the best tools to get the job done.

Unleash the power of Final Cut Pro, and be confident everything is set up for the most logical workflow.

Master fine composition, with precise editing techniques, and finishing tricks.

Extend your creative options by utilising Photoshop masks and layers in your video project.

Create professional titles and smooth audio mixes with Livetype and Soundtrack.

Present finished projects in a range of formats for broadcast, DVD and the Web by harnessing the power of Compressor.



PELICAN™

...the case for Pelican...

We already make more than 35 models of the best protector cases in the world. Here's what we do in our spare time. Five more new ones! **COMING SOON!**

i1010 CASE

Holds Shuffle, Nano or 20, 40, 60GB iPod/iPod video
Super strong Xylex latch
Detachable nylon strap
Shock absorbing rubber liner



1080 HARDBACK CASE

Fits up to most 13" computers
Watertight seal
Shock absorbing foam liner



1440 CASE

Three tier extension handle
Watertight O-ring seal
Stainless steel padlock protectors
Quiet 50mm urethane wheels
Optional photo divider set and lid organizer available
Optional office divider set and lid organizer available



1495 CASE

Fits up to most 17" computers
Three dial combination lock
Stainless steel padlock protectors
Fold down overmoulded handle
Optional personalized nameplate



1640 CASE

Heavy-duty extension handle
Watertight O-ring seal
Stainless steel padlock protectors
Dual 50mm urethane wheels
Optional divider set and lid organizer available

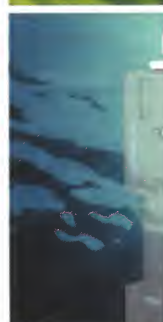
**PELICAN™**

i1030 by Pelican

protect and organize any iPod™

Keep It Neat:
Lid organizer stores earphones and adapter cables

Tough Shell:
Polycarbonate body resists extreme temperatures and rough handling



Secure Locking:
Super strong Xylex™ latch keeps the lid shut after drops and hard knocks

Main Cabin:
Molded compartment holds any iPod™ or iPod™ Mini with belt clip and cable



Breathe In. Breathe Out:
Automatic pressure release with Gore-Tex™ membrane equalizes air pressure during altitude changes and keeps water molecules out

Shockproof. Waterproof:
Shock absorbing rubber liner doubles as a watertight seal



PELICAN™
You break it, we replace it... forever.



PELICAN™
You break it, we replace it... forever.

PELICAN PRODUCTS AUSTRALIA
Unit 3, 65-67 Nelson St, Stepney SA 5069
Ph: 08 8362 6161 Fax: 08 8362 9326
www.pelicanaustralia.com

THE PELICAN UNCONDITIONAL
LIFETIME GUARANTEE

By David Holloway



Hot Links

www.apple.com/downloads/dashboard/

All the latest and greatest widgets and everything mentioned in this article

www.liquidix.net

Album Art and Fruity

www.tuneuploops.com

Tune Up Catalyst

rzepa.net/david/bpmWidget/

bpm

www.mindquirk.com/

Harmonic

www.bwmusic.com/

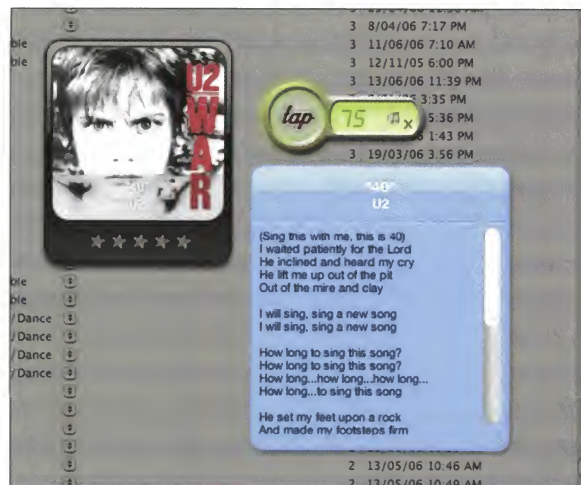
Music Calculator

www.mariposaprod.com/

Tabit

mekentosj.com/

Pianochords



Paradise by the Dashboard light

If you use OS X Tiger, you're more than aware of Dashboard widgets. The widget developer community is enormous, including developers interested in widgets as music-related tools. There's a large crop available at the moment to make any music lover or composer happy.

The **Album Art** widget is one of the best ones I've seen around for adding album art to your iTunes collection. It draws on cover art from Amazon, Yesasia and Google. To add art, you play the desired song in iTunes 4.7 or above — if there's cover art matching the album that the song comes from, it is displayed within the widget. You then choose whether to add the cover art to the song or to the whole album of songs if they are in your iTunes library. That's it.

I found that the music might skip a little if you're adding the art to a whole album's worth of songs. I also found that sometimes the artwork displayed could be hit and miss depending on how esoteric your music tastes are. On the positive side I found cover art for most of the Australian artists in my iTunes library. It's worth checking out the developer's Fruity application as well.

The **Tune Up Catalyst** widget is provided by GarageBand loop-maker, Tune Up Loops. The widget is designed for GarageBand users feeling short of inspiration. It provides random words of wisdom designed to ignite the creative spark again. Ominously for me, the first words of advice I received were "use clichés to the max". There's no hidden agenda with the widget

— it just has a blurb on the reverse side of the widget promoting the loop library.

The **bpm** widget allows you either to tap your keyboard or click your mouse in time to the song playing in iTunes and then provides you with its tempo. If you keep tapping to the tempo of the song for eight beats, the display on the widget turns green and you can be certain you've nailed the tempo. You can then with the click of a button have that information transferred to your song in iTunes as an ID3 tag. You'll just need to ensure that "beats per minute" is selected in your view options in iTunes if you want to see the results. This widget will appeal to gigging musicians wanting an easy way to determine tempo for rehearsals.

Harmonic is one of the better lyrics widgets available. Again, just play the desired song in iTunes and the lyrics to that song will display. Your hit rate may be quite low if your library contains a lot of less well-known music. I found I could get lyrics to around half of what I played. Whether you like singing along at home or need the lyrics to belt out for a performance, this is a handy tool.

For the music student or musician, the **Music Calculator** widget could be a must-have. It contains so much information that a help file is provided with the download. You can calculate how long a note or piece of music will last based on its tempo and measure. If you need to know that a quaver lasts 333 milliseconds at a tempo of 60 beats per minute, then this widget is for you

(then again, I've rather let the cat out of the bag, haven't I). There's even a built in metronome and Concert A tuning fork.

Tabit is for the guitar players out there who want an easy way to find guitar tab for songs they want to learn. Enter the song title you're looking for and your web browser opens with the search results from UltimateGuitar.com. The entire guitar tab is supplied by the user community on the web site so there's no guarantee of 100 percent accuracy.

PianoChords could be a godsend if you're theory-challenged and use a USB keyboard in GarageBand. To determine the composition of any particular chord you click on the root note of the chord you are wanting — if you click on the D note it will display the D Major chord. Then, just click on the widget display and select from the range of D chord variations available. In this example, select D Minor 11 and PianoChords will display the six notes that make up the chord. If you are the sort of keyboard player that doesn't read music well and need to learn the chord structure of a song, you'll fall in love with this widget in a big way. Even if you can read music, it's a simple sketchpad if you're playing around with chord progressions for a composition.

Apple keeps an updated list of all widgets developed on its web site (see "Hot links"). All the widgets mentioned are available for download from Apple or from the individual developers' web sites. ☞



Hot Links

www.speckproducts.com
Modern and retro, all at once

SpeckTone

IT'S fair to say there's now a glut of iPod accessories on the market and the speed of their release doesn't seem to be slowing at all. On the upside is that there seem to be more accessories coming on the market that are actively trying to be different. The SpeckTone is one such. If you're over thirty or so you're likely to be very attracted to it from a design viewpoint, as it revives memories of record players and radios from the sixties and seventies. This baby has a lacquered wooden cabinet and analogue circuitry, so it's serious retro.

Functionally, the SpeckTone is an all-in-one speaker system and dock like the iPod Hi-Fi or XtremeMac Tango. The dock for

your iPod is located top and centre. The only control on the SpeckTone is a backlit green glow volume knob (you can turn the backlight off — which is handy if you're thinking of a bedside purchase).

There is a 1/8-inch mini-jack audio input in addition to the dock. The SpeckTone's audio specs are fairly standard: 28-watt output, two three-inch speakers as well as a four-inch subwoofer. The dock will accept all fourth- and fifth-generation iPods as well as the iPod mini and nano. The mini-jack input allows you to connect a shuffle, CD player or anything else with an audio output — you'll need to purchase the cable separately. Third-generation iPods will play fine but not

charge. Foam inserts are supplied to ensure a snug fit for the dock. Speck also throws in skins for a nano and iPod with video in colours that match the SpeckTone you buy. The three colour options are green on brown, black on black and white on silver.

This is the sort of accessory that is going to appeal strongly to some people and leave others cold. It may not have a remote control or multiple audio outputs but it sure as hell makes a statement at a reasonable price point. At time of writing the pricing of the SpeckTone hadn't been finalised but expect it will be over \$250 given it's retailing for \$US149 US overseas. The Australian distributor is Conexus, 02 9975 2799.



Hot Links

www.notionmusic.com
Like to know where you get the Notion?

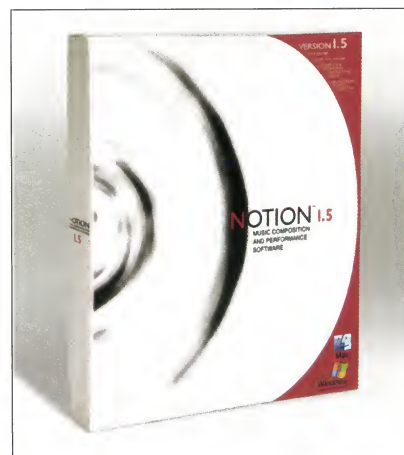
Notion

THE competition for the minds of musicians who write scores has hotbedded further recently with the entry of VirtuosoWorks's Notion 1.5 software — the first time it has been Mac-compatible. The other two well-known combatants are Sibelius and Finale.

Where Notion is a little different is in relation to its simplicity on the technology side of the equation. You receive your playback engine with the software and a suite of sounds recorded by the London Symphony Orchestra, with additional instruments available for purchase separately. There's no need to worry about an external sound source. You don't even need to have a keyboard connected if you're confident in scoring without one. Which leads to what isn't simple about this application: if you don't know how to write a score, then you're in for one very large learning curve.

A student learning music theory would find it a stimulating way to learn with assistance, but if your aim is to create music and your theory isn't up to scratch, then you might like to look elsewhere.

Notion has a full range of features. As with its competitors, you have a large number of score formats to choose from. Playback functionality includes dynamics, arpeggios, pizzicato, slurs and even pedal marks. For conductors there's even the ability to conduct your score at the tempo you desire by tapping on your Mac's keyboard. Notion supports the MusicXML format that means you can import scores from Finale and Sibelius. One note on installation — there's a USB key called an iLok (supplied) that you'll need to use. iLok is widely known and accepted as a hardware copy protection format and it didn't get in the way of installing successfully.



There are some limitations compared to the more expensive options such as lyric functionality and MIDI capabilities. However, unless you are composing for a big budget orchestral film score or musical, you'll find Notion has pretty much everything you need, particularly if notation is all that matters. There are some sample audio and video files of Notion as well as a free demo version to download. Notion 1.5 will cost you \$US599 or \$US399 if you're an education user. An Australian distributor was yet to be finalised at time of writing but purchase is available direct from the Notion web site.



Streetwise.com.au

**Australia-Wide
Delivery!**

Australia's Mac & iPod Superstore

Mac Games

Civilization IV

RRP \$69.95
\$64.95



X-Plane Deluxe (7 DVDs)

Includes worldwide
global scenery!

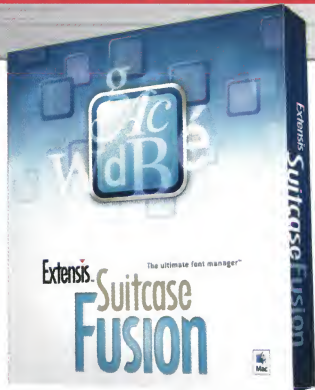


RRP \$119.95
\$109.95

Cars Radiator Springs Adventures



STREETWISE
\$39.95



Extensis Suitcase Fusion

The next-generation font manager.
A serious productivity booster for designers!

STREETWISE
\$169

Mac Memory Specialists

Use our exclusive online Mac Memory Selector to not only find the right memory module for your Mac but also DIY installation instructions. In-store installation also available.



Current Intel-based Mac mini, iMac,
MacBook and MacBook Pro:

512MB DDR2 SO-DIMM

STREETWISE
\$95

1GB DDR2 SO-DIMM

STREETWISE
\$175



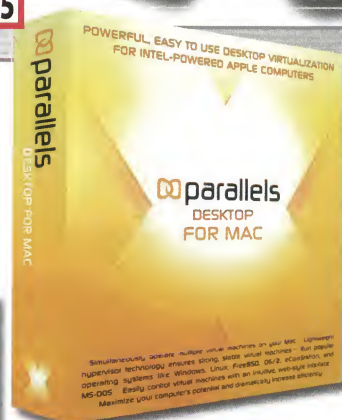
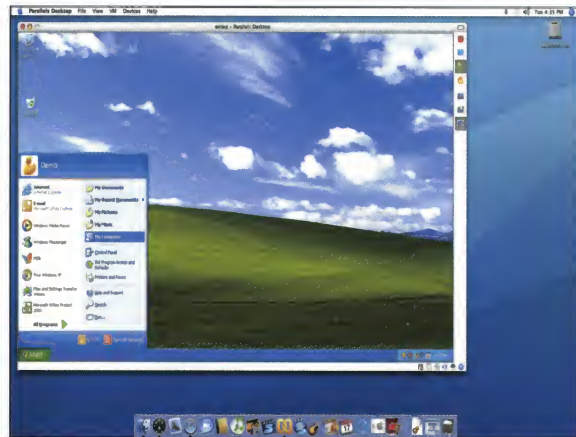
Logitech Cordless Desktop S 530

Designed for Mac with multi-button laser mouse and keyboard with quick-launch buttons for Safari, Mail, etc.

RRP \$179.95
\$159.95

Parallels Desktop for Mac

Run Windows on your Intel-based Mac at the same time as OS X. When you're running Parallels there is no need to reboot and endure a full OS start-up just to access one important application. Run MS Windows (or any x86 operating system) from within a window in Mac OS X and easily transfer files between the two systems.



- Unmatched Ease of Use
- Run any OS at the Same Time as Mac OS X
- Works like a stand-alone Windows computer
- Easily share files and folders between Windows and Mac OS X
- Optimise virtual machine performance and save storage space with built-in Parallels Compressor technology.

MS Windows available separately.

STREETWISE
\$144.95



Roxio Popcorn 2

Compresses an entire 9GB movies on to a single 4.7GB DVD-R. Converts movies for iPod video, PSP and 3G mobile phones. Now optimised for PowerPC & Intel!

RRP \$120.95
\$104.95

**Want to get more
out of your Mac?
Now book online!
Book in for our FREE
training sessions!**

Upcoming Sessions:

- An introduction to Mac OS X
- Running Windows on Intel-based Macs
- An introduction to Logic Pro
- Digital Photo Editing with Adobe Photoshop Elements 4
- An introduction to video editing with iMovie HD '06
- Making Music with GarageBand
- An introduction to programming with REALbasic

FREE!



Authorised
Solutions Reseller

Ph: (03) 9818 2100

Visa, MasterCard, Bankcard, Amex & Diners. No credit card surcharge!
826 Glenferrie Rd, Hawthorn Victoria

Streetwise and the Streetwise Logo are trademarks of Streetwise Software Pty. Ltd. Mac and iPod are trademarks of Apple Computer, Inc., registered in the U.S. and other countries. Prices and specifications correct 3/7/06, but may be subject to change without notice. Errors and omissions excepted.

By Anthony Caruana



Hot Links

www.salling.com
 Salling Clicker

Click!

P UT simply, Salling Clicker lets you remotely control your Mac from a massive variety of different mobile phones and PDAs over either Bluetooth or WiFi.

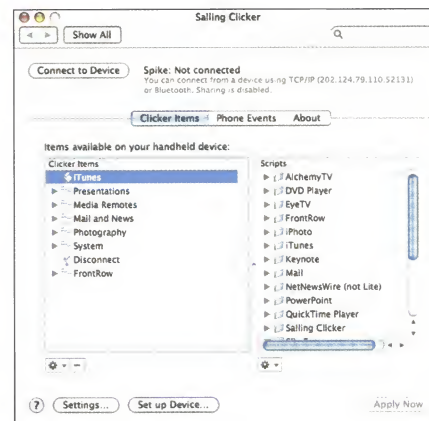
Clicker can be used with over 100 different phones. Sony Ericsson and Nokia phones are most prominent on that list with the most notable exception being some of Motorola's most popular models like the RAZR V3. This isn't a shortcoming of Clicker but a problem with the way Motorola implements Bluetooth in its OS. It is addressed in some later models so we recommend checking the compatibility list before paying for the software.

After installing the desktop software to your Mac an icon is added to the menu bar. Open Clicker's preferences to set up your mobile device — just select your device's make and model and Clicker will beam a small app to it.

You can then launch Clicker either from the PDA or phone or from your Mac.

The number of applications that Clicker can control is very extensive. We used it control Keynote, iTunes, PowerPoint and DVD Player. In addition, using freely available scripts created by Clicker's user community, we've even controlled Front Row. While Apple's remote is OK it does rely on line of sight access as it's based on infrared. As Clicker can use WiFi, you can start Front Row and scroll through your iTunes music collection even if the Mac is hidden away. If you're using a Mac Mini and EyeTV combo as part of your home entertainment system you can use your PDA as a remote for the entire system. EyeTV's software is natively supported by Clicker, as are many other media players such as QuickTime, VLC and SlimServer.

You can launch applications, control them and even use Clicker as wireless mouse.



Connectivity via Bluetooth is dead easy, as Clicker will initiate the pairing process if your device isn't already mated with your Mac. WiFi connections are easy but you'll need to check the Preferences to get the IP address that Salling uses. Clicker forces you to use a password for WiFi to prevent rogue connections.

If you regularly give presentations or want to control your Mac remotely then Salling Clicker is a must-have application. At \$23.95 USD there isn't much reason not to have it. The trial version's limited to 30 clicks and the support forums are very good with the developer extremely responsive to requests for help.



Hot Links

www.sonyericsson.com.au
 Sony Ericsson mobile phones

High fashion from Sony Ericsson

N OW that mobile phones are passé and everyone's got one it's rare that normal people (non nerds) gush over a new model. Sony Ericsson's z520i has proved to be a real head turner with its slick clamshell design with interchangeable faceplates, bright screen and pocket-sized profile.

Like most mid-range mobiles it supports all the standard comms and messaging protocols you'd expect as well as Bluetooth.

Although the z520i is a recent model it's listed in Apple's iSync compatibility list so you'll be able to connect it to a Mac and sync iCal, Address Book and Entourage data to it easily as well set up a

Bluetooth/GPRS connection for on-the-road web access. We tested this out and had no problems connecting and synchronising. With the sync features added to Entourage recently you can now take your calendar and contact data from that data store to your iSync compatible device.

One of the features we really like with the newer Sony Ericsson phones is that they support use as a wireless remote control straight out of the box. While we are great fans of Salling Clicker you can avoid the expense. That's like getting a \$24 discount!

Battery life was solid. The 900mAh Lithium-Polymer cell is rated at 400 hours stand-by and nine hours talk time. Your



mileage will vary substantially depending on use of Bluetooth, but we found that with occasional use with a Bluetooth headset while driving, we were able to get at least two days of use.

The z520i retails at \$429.



neil positan
www.neilpositan.com



Design by ORO Ito
www.oroito.com



neil positan
www.neilpositan.com



Karton
DESIGN BY YANNI KARTON
www.kartondesign.com



LaCie won a 2006 Red Dot Award for superior product design of the Rugged mobile Drives and Skwarim Hard Drives. Since 1955, Red Dot Awards have been regarded worldwide as an international seal of quality for outstanding design achievement.

**More infos at www.lacie.com/au
sales.au@lacie.com • tel: (02) 9669 6900**

Available from Apple resellers.

SUBSCRIBE TO:

A U S T R A L I A N

Macworld



Subscribe now to **Macworld** for one year and pick from either of the following hot iPod accessories. Subscribe for two years and receive both **FREE!**



Get the **iPodDonut** that protects your iPod's touch wheel from scratches and use its Glow In The Dark feature to find your iPod easily at night whether it is in your car or at the bottom of a large bag. And hey, it comes with a bonus Screen Protector that will help to keep your iPod Nano or Video safe all day or night.

AVAILABLE: In two versions, the iPod Nano or Video.

IMPORTANT: Be sure to include your iPod's specifications for delivery.

SUBSCRIBE NOW: (Prices – 1 YEAR \$75 / 2 YEARS \$119)

CHOOSE ONE OF THESE OPTIONS:

EMAIL: subscriptions@niche.com.au

PHONE: FREECALL 1800 804 160

MAIL: Complete your details on the reply-paid subscriptions card in this issue and send it in.



Or choose the **Tune Transfer** and unlock the potential of your iPod. Stuck? Not able to move songs from your iPod to your authorised computer? Tune Transfer will do that and more. Perform backups of your favourite tracks or create several song libraries.

Annual cover price is \$83.40 (inc GST). Overseas subscription rate is \$120.00 AUD. I understand my subscription will start with the next available issue and will be mailed only once payment has been received. Privacy ~ Your name and address details are retained by the subscriptions department at Niche Media and are used to fulfil your subscription and premium, send your renewal notices and possible information on other Niche Media publications. *Your free gift will be shipped once payment has been received. iPodDonut - System Requirements: Available in Nano and Video iPods. Or Tune Transfer - System Requirements: PC Minimum Requirements: Windows 2000/XP; Pentium 500 MHz; 128 MB RAM; 100 MB Free HD Space; CD Rom Drive working USB 2.0 or FireWire: connection to iPod. Macintosh Minimum requirements: System OS X (10.1.5) or higher; G3 400 MHz processor; 128MB RAM; 100MB Free HD Space; CD - ROM Drive; Working USB 2.0 or FireWire and connection to iPod.

To One to One (part one)

OK so it's August, and come September educational planners will be justifying budgets to people in suits. So this and the next column will focus on the move to One to One computing in schools, the resources needed to support such a venture and ways of financing the deal.

Whilst the money is often the sole arbiter of ICT deployment, it's really a furphy. If there is a compelling reason to move in a particular educational direction, schools or their overlords usually find the money.

This may sound glib, but those of us who can will remember the birth of educational computing (before it was called "ICT"), in a world where one computer shared between three schools was the norm. In those days, the concept of one computer to eight students (the current NSW government goal) was seen as financially unachievable — forget a One to One implementation.

Science laboratories were rare before the 1960s. Things have changed and will continue to do so.

A post-industrial society demands Information Technology immersion and while it's not possible to get a toothpaste commercial-like claim that "ICT in education will give a 38 percent increase in literacy", it is generally accepted that computer use with appropriate constructivist approaches will assist in developing higher-order thinking skills and better preparing students for a collaborative and creative future.

I'm going with this as a given anyway. In this column I'm more interested in the how — which I've divided into infrastructure, management, pedagogy and finance — and will deal with them in that order.

For one who normally spruiks the need for good pedagogy, it may seem odd to rank infrastructure and management first, but it's based on the premise that all the teacher preparedness in the world will go for nought if the equipment doesn't work and do so reliably.

The core of your infrastructure is the network itself. Forget the days of cobbled-together hubs from the local electronics store and dads and mums laying cable. It's wise to rethink any existing network implementation and design a solid, fast core switch that talks to similarly fast switchgear at the edge. These should all be managed switches and ideally from the same manufacturer. While each manufacturer will (or should) follow standard protocols, there are always subtle differences in the way that these protocols are implemented, which can sometimes cause problems in a mixed environment



Hot Links

www2.edc.org/cope/networkprimer/primch5.pdf

A somewhat old — but still relevant — explanation of the bits that go together to make a network work

www.cisco.com/warp/public/779/smbiz/netguide/

A good overview of network design from Cisco Systems

Networking details are beyond the scope of this column, but, to give an idea of what may need consideration, the network may benefit from segmentation into different Virtual Local Area Networks (VLANs) to better manage traffic (the end user will see this as a faster network). People in white coats will do this for you, and you will get a good response from any network equipment supplier worth their salt. It would be sensible for them to throw in the cost of the white-coated consultant.

Wireless access points (WAPs) are next on the list, and here I'm suggesting that you look beyond the Apple offerings. Suppliers such as Cisco and HP make WAPs that are much more sophisticated than AirPorts, offering built-in support for multiple VLANs. However, having said that, you'll need to factor that AirPort base stations are significantly easier to manage and will suit a variety of environments.

The rollout of your new and improved network can be staged, of course, but this lessens the

impact of the "anywhere, anytime" nature of wireless access. You may consider postponing the One to One rollout until this infrastructure is solid: it's that important.

What's next after your shiny blue cables are laid and there are lots of flashing lights in the network rack?

It's useful to look at this from the

user's perspective, so let's look at a typical user.

Users don't back up their data, and will forlornly present their damaged machine, pleading that their report/movie/podcast/marks are needed by this afternoon and could you do something about this please?

Now, it would be nice if you could smile at this point, but nicer if you could give the user a replacement machine with all their data on it.

In most cases, a mobile account, synchronised to a networked home directory on the server, will do that for you. Of course this demands that you are using an appropriately configured, fast and reliable Tiger server and a fast, reliable network (I'll look at account management next month).

Apple's servers are fast, and combined with xRaid, very cost effective. They can also be managed remotely, so an outside entity, such as Apple Professional Services, could help with the configuration.

A good opportunity, Mr King? ☞

As an educator, Martin Levins likes empowering people to create using computing technologies.



By Joe Kissell

Keep safe on the road

Mobile backup tips

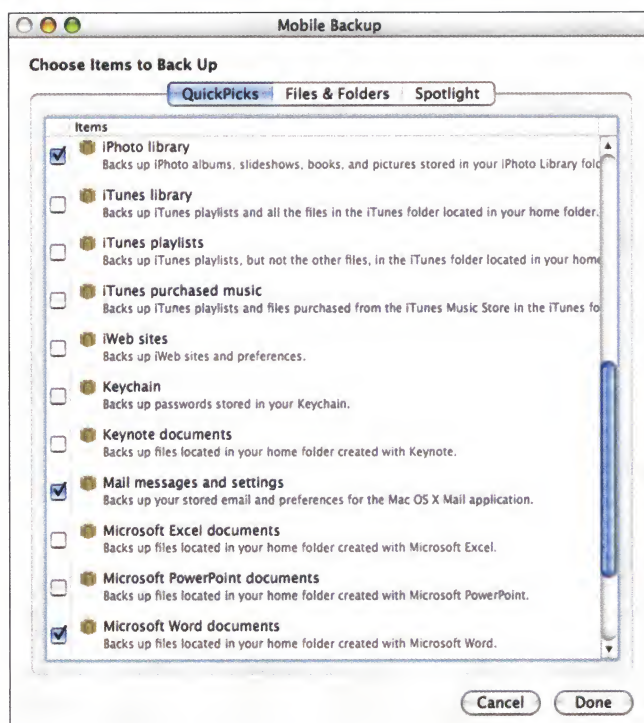
If you back up your Mac laptop only when you're at home or in the office, you may be living dangerously. After all, a bad crash or a hard-drive failure can happen just as easily when you're travelling as when you're at home. Sure, backing up while on the road presents challenges – you might have to pack extra accessories or find an internet connection – but isn't keeping your data safe worth the effort?

Trip prep. Before you leave, make sure you have the right tools.

Backup media. Some people may want to back up over the internet while others may prefer to tote a storage device such as a portable hard drive, a flash drive, or an iPod. No matter which backup option you pick, always pack some recordable DVDs or CDs – having an alternative way to back up can never hurt.

Backup software. If you need to back up only a few files, you can just drag and drop. Beyond that, you should use a backup utility, which can automatically scan selected folders for files you've changed or created since your last backup. Good utilities include

Pick a winner. Apple's Backup includes a QuickPicks feature, which lets you select common backup options with one click.



Hot Links

www.mac.com
Apple's own .Mac
www.publicvpn.com
Public VPN
www.backjack.com
www.prolifix.net
Online backup services
www.shirt-pocket.com
SuperDuper

EMC Insignia's Retrospect Desktop (Channelworx, 1300 883 882), Prosoft Engineering's Data Backup (MacSense 02 9798 3288), Intego's Personal Backup X4 (Pica Australia 03 9388 9588), and Apple's Backup, which is included with a .Mac membership.

Whatever software you use, you've probably got limited time, limited storage space, and an unknown amount of internet bandwidth, so don't do full backups. Instead, configure your backup software to copy only necessary files, such as documents you're actively working on, e-mail messages, calendar and contact information, or digital images from your trip. (For more on choosing a backup strategy, see the sidebar "Pick your approach.")

Startup disc. If your laptop's hard drive fails, you'll need to start up from another volume to repair it. Pack your OS X Install DVD, or a startup disc from a program such as Alsoft's DiskWarrior (Pica Australia 03 9388 9588) or Micromat's TechTool Pro (Tech Tools Australia www.techtools.com.au).

Tip. Before you leave town, perform a full backup. If disaster strikes, you can at least restore your Mac to its pre-trip state.

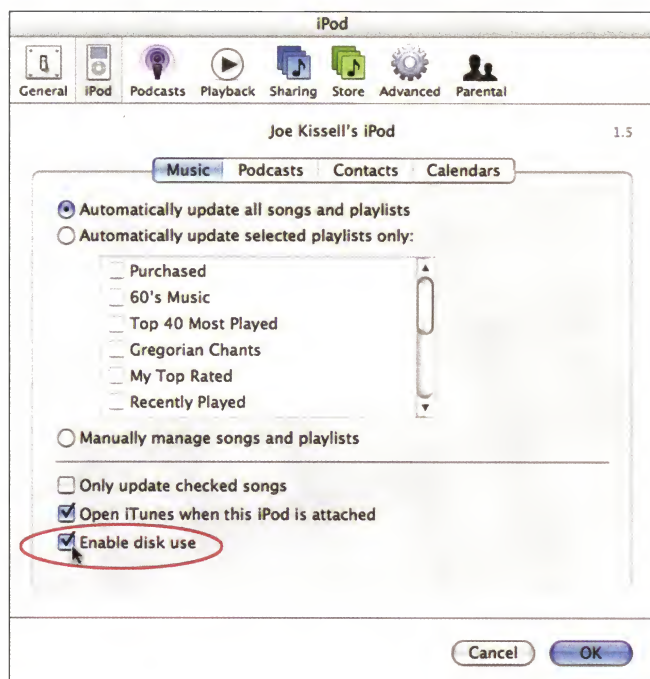
Internet backups. Many hotels and airports offer high-speed internet access, often wireless and occasionally free. The biggest advantage to backing up onto the internet is that your files are stored in a safe place – if your laptop is lost or stolen, your data remains accessible. The disadvantage is that hackers can intercept your data during transmission (even if you're using a protected wireless network).

If you back up files over a wireless connection, encrypt them first. Some backup programs, such as Retrospect Desktop, Data Backup, and Personal Backup X4, have built-in encryption. Or you can use a utility such as Allume's StuffIt Deluxe (Pica Australia 03 9388 9588) to encrypt files before sending them over a wireless network.

Alternatively, you can use a Virtual Private Network (VPN) to encrypt data that travels between your Mac and a server. Your employer may offer VPN access, or you can purchase VPN service from a company such as PublicVPN (see "Hot links"), which charges \$US6 a month or \$US60 a year. From there, all you have to do is enter the settings supplied by your VPN provider into Apple's Internet Connect application.

If you go the Internet route, you can choose from several destinations for your backups.

Phone home. If you have a network-based backup system at home or at work, you may be able to connect to it from the road. This isn't as easy as it sounds; success depends on many variables,



Disk jockey. To use your iPod as an external hard drive, make sure you select **Enable Disk Use** in iTunes' iPod Preference pane.

including your backup software, your firewall and router settings, and ISP restrictions. Make sure you do a trial run-through from a friend's house or a cybercafé before leaving on a trip.

If you've enabled Personal File Sharing on your home Mac (System Preferences: Sharing: Services), you can try mounting its hard drive on your laptop and copying files to it. To mount a remote hard drive, choose **Go: Connect To Server** in the Finder, enter the IP address or domain name of the computer, click on **Connect**, and supply your user name and password. The machine you connect to must have a public IP address; you can't ordinarily access servers with private addresses supplied by a router, although there are sometimes ways to do so.

Use iDisk. Subscribers to .Mac can back up to iDisk, by manually copying files or by using Backup or another application. There are limitations: Backup doesn't offer encryption, and a standard .Mac membership includes only 1GB of storage (you can upgrade to 2GB or 4GB).

To use Backup, choose **Plan: New Plan** and select **Custom**. To add files, click on the plus-sign (+) button under the **Backup Items** list. You can manually choose files and folders or use the **Quick Picks** pane to select groups of files, such as **Address Book** data or **Word documents** (see the screenshot "Pick a winner"). Next, mount your iDisk in the Finder (**Go: iDisk**). To select it as your backup location, click on the plus-sign button under **Destination And Schedule**, and choose iDisk from the **Destination** pop-up menu. You can schedule specific times for your backup, or deselect the **Automatically Back Up At The Following Times** option to run the backup manually.

Hire a service. Another option is to subscribe to an internet backup service such as Backjack or Prolifix (see "Hot links"). Both provide backup software (including encryption) and store your

backups safely on their servers. Prices vary, depending on the amount of storage. For instance, Backjack.com charges \$US12.50 per month for its basic service and 2GB of storage, and Prolifix costs \$US10 a month for 500MB.

Local backups. If you're travelling somewhere without high-speed internet access, you'll need to copy files to a physical medium. Whichever medium you choose, keep it separate from your laptop, preferably in a safe place (such as a hotel's safe deposit box).

CD or DVD. One option is to burn files to disc. Insert a blank disc into your laptop's optical drive. Select **Open Finder** in the window that appears, and click on **OK**. Drag your files onto the disc icon on your desktop. When you're done, select the disc and choose **File: Burn Disc**.

Portable hard drive. Pocket-size hard drives provide the speediest backups when you're on the road. Using Shirt Pocket's SuperDuper (see "Hot links"), for instance, you can even create a bootable backup on that drive, so you can keep working if your laptop's drive dies.

iPod. Your iPod can pull double duty as a music player and backup device. To use it as an external drive, open iTunes and choose **iTunes: Preferences**. Go to the **iPod** pane and select the **Enable Disk Use** option (see the screenshot "Disk jockey"). Your iPod will mount on your desktop, allowing you to copy files to it. While Apple doesn't recommend booting your machine from an iPod, it can be done.

Flash drive. Keychain-size USB drives — available from Lexar, SanDisk, and others — can store as much as several gigabytes of data. However, these tiny drives are easy to lose, and on a per-gigabyte basis, they cost more than a hard drive. ☹

Pick your approach

Different types of road warriors will need different backup strategies.

Executive. If you're mainly working with e-mail messages, text files, spreadsheets, and other small documents, consider an internet backup service. It's fast, safe, and reasonably inexpensive.

Creative pro. If you create large multimedia files, go with an external hard drive. Consider archiving your work to DVD every few days as a secondary backup — you can never be too careful with irreplaceable files.

Vacationer. If you have just a few photos and videos that you want to back up while vacationing, store them on your iDisk. If you're a serious shuttlerbug, consider backing up to DVD every few days and mailing yourself the discs.



By Sean McNamara.

AirPort and VPNs

Help folder

We answer our readers' questions

Each month STM 02 8338 0222 gives a Sports backpack valued at \$129.95 to the *Australian Macworld* reader who send in the most intriguing Help folder query.

You need to carry your laptop, documents, gym gear and other bits and pieces. Do you carry two bags? No, you get an STM sports backpack. There's a large compartment for whatever you can cram in, space for your notes and exterior pockets for iPod, water bottle, newspaper etc. There's even an exterior mesh pocket for your lunch. The ergonomically designed back system and shoulder straps take much of the strain off your shoulders.

Like all STM bags, it doesn't look like there's a laptop inside the Sports backpack, keeping your precious notebook safe from preying eyes and wandering hands.

Send your query to matthew.powell@niche.com.au for consideration in Help folder. Include your full mailing address to be eligible to win the Sports backpack. All queries and solutions are the sole property of Niche Media.

■ Sean McNamara is a Sydney-based consultant trading as MacAssist.



1

■ My parents and my sister live next door to each other. They have, very wisely, bought an AirPort Extreme to share an ADSL connection and a colour laser printer.

I live in the same town, but too far away for an AirPort connection. I have been trying to work out how I might connect to their network through a VPN to make use of their colour laser printer and share files. I thought that OS X 10.4 came with VPN built in, but it seems it's only for the client setup, not to establish a VPN.

Is there any way we can set up a VPN with our limited equipment?

Mark Curtis
Broken Hill, NSW

I think it's going to be hard to get your AirPort Extreme base stations to handle traditional VPN solutions, as they usually would require a feature called VPN pass-through.

I can think of three solutions, none of which is ideal.

The first is to use a program called Hamachi (see "Hot links") which allows for ad-hoc encrypted networks to be established through routers which normally disallow much of that sort of traffic. However, the Mac client is only in beta form, the only GUI available for it is a Dashboard Widget, and configuration is not for the feint of heart.

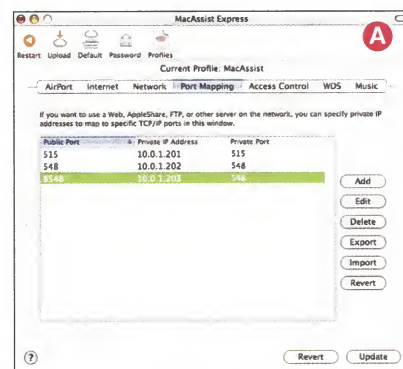
Second, you could use Tunnelblick (see

"Hot links") to establish an OpenVPN (see "Hot links") tunnel. You need to code the configuration file for Tunnelblick manually, and you'll also need to modify the base stations to allow the traffic through — once again, this is not for the feint of heart.

Third, you can configure your base stations to allow AppleTalk traffic (port 548) through to a particular machine at each end. You could also pass through printer traffic if you know the port used by the printer (which depends on the protocol the printer uses (LPD/LPR is port 515, IPP is port 631). However, there are some problems with this solution, too:

1. The IP address of the modem/router or base station at each end probably changes regularly, so you'd have to use a service like DynDNS (see "Hot links") to track the current IP address at each end and assign more easily remembered domain names to them;
2. You'll have to assign IP addresses to the computers and printer manually to allow the base stations to pass the traffic on;
3. You'll have to assign additional ports (such as 8548) for the second and subsequent machines you want to access the same sort of services on such as file sharing **A**.

You could also just get new VPN-enabled wireless routers, but you did ask about trying to do it with current equipment!



Hot Links

www.hamachi.cc
VPN substitute
www.tunnelblick.net
And another one
www.openvpn.net
Open VPN
www.dyndns.org
Track a dynamic IP address

Keynote to iDVD

2

■ Every week, I create a multimedia presentation for my church, basically just audio files with pretty text and pictures doing cool stuff. I normally use PowerPoint 2002 on a PC to do this, but one of the reasons I bought a Mac was because I wanted to use Keynote. I saw a demo of it, and fell in love straight away with its silky smooth animation, so much better than PowerPoint.

So, after much frustration and trial and error, I managed to get the Keynote presentation in a gorgeous looking format by exporting to QuickTime using the animation codec with 60fps,

but when I burn this to a DVD, using iDVD, it looks awful, compared to what the QuickTime looked like anyway. Very jerky, blurry, not even as good as PowerPoint.

I am using Keynote 2 and I have a G5 iMac. Can you give me some advice on how I can export Keynote to DVD and still retain the ultra-silky-smoothness that I get in its native format or in QuickTime? Do I need to install extra software, use a different codec or what?

*Greg Baker
Macquarie Hills, NSW*

There may be several areas where the degradation is happening, Greg, so let's look at a few.

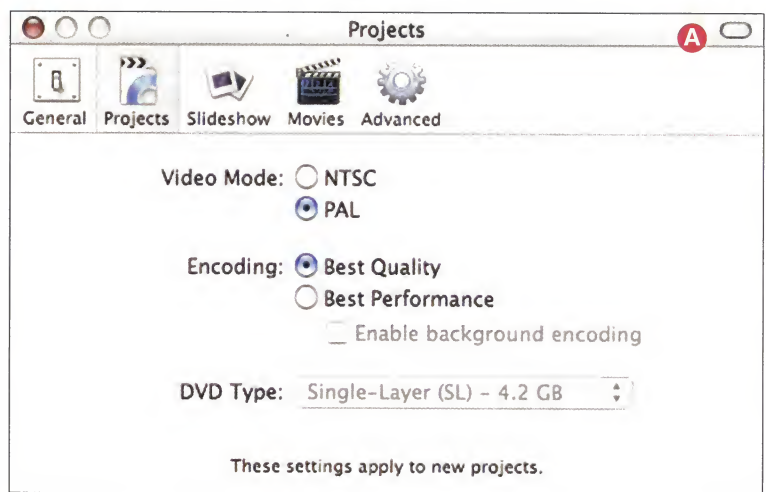
First, is the presentation being played on a standard

video DVD player or on a computer? If the former, TV is a much lower resolution medium than a computer screen — the Australian PAL standard is only about 600 pixels high, so you'll lose a lot of definition there — it's also fairly fuzzy when compared to computer graphics at the same resolution, so this may be where you're losing most of your definition.

Another thing to consider is

whether you are using PAL, or the lower resolution NTSC? You should make sure that your iDVD projects are using PAL by setting that standard in the iDVD Preferences **A**.

If the presentation is being played on a computer, you're much better off using the native QuickTime file and using the QuickTime player to play it. Playing through a projector will then be at the full resolution of that projector.



File type conundrum

3

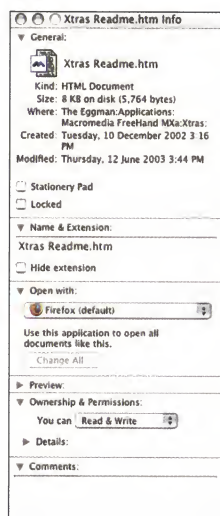
■ When Mac OS X has used TextEdit (or any other application) to open an unrecognised file its file type changes to that of the application in which it was opened. If you later installed the correct application

would such files still open or run in that?

How can you get the file type back to the original if you

hadn't noted what that was before opening it with another application?

Conversely, as regards Safari and IE, some documents only open in IE when I prefer Safari; is it possible to get these files to open automatically in Safari instead



of IE from the first time they are opened so that I don't have IE opening just because a file on a disk or an attachment in an e-mail was created by IE?

*Peter Schaper
Biggenden, Qld.*

Files should continue to open with the appropriate application when it's installed, but you can always rebuild the database of associations between applications and files by entering the following command in the Terminal application as one line:

```
/System/Library/Frameworks/ApplicationService.s.framework/Frameworks/
```

```
LaunchServices.framework/Support/lsregister -kill -r -domain local -domain system -domain user
```

That should allow the default application to take over the file association again, and also allow the following change related to your Safari question.

To get Safari opening your IE files, you can single-click on a file you wish to change the association of, then do a Get Info ⌘-I — under the Open With section, choose Safari from the popup menu. This changes it for that file — to make it work for all files like that one, click on the Change All... button and confirm the change.

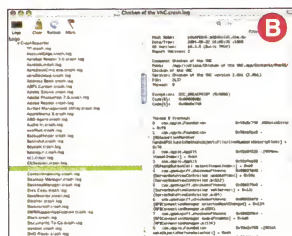
Beginners start here

Better than bad, it's good

This month, we're going to look at some of the uses of the log files we introduced last month, as well as a few of their limitations, and the problems they can cause in extreme circumstances.

The most common use for these logs is in troubleshooting problems. For example, when an application crashes **A**, Mac OS X creates a crash log which is stored in the user's home folder **B** — this report has a lot of gobbledegook, but the most useful thing for troubleshooters is that it lists the date and time of the crash(es), so you can start to see if there's a pattern.

If you click the Report button in the crash dialog box, the crash log is



displayed, as well as an area where you can describe the things you were doing before the crash so you can report the crash to Apple **C** — I'm not sure if Apple's too interested in crash reports for applications it didn't write.

Third party application developers or the members of online forums may ask for a copy of the crash log to try and decipher the unintelligible-to-mere-mortals computer-speak.

The application may also have logged some data to the system.log or console.log files **D** — this information may also be useful when trying to troubleshoot crashes and problems.

For machines running servers (such as web or mail), the logs for these services are used to

generate stats on where visitors are coming from, data transfer rates, etc. For commercial web sites, this can be vital information for making sure the data presented is relevant and to understand where web users are coming from (when you click on a link to a page, the request for that page encodes the page which had the link in it).

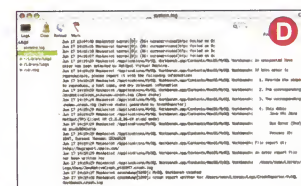
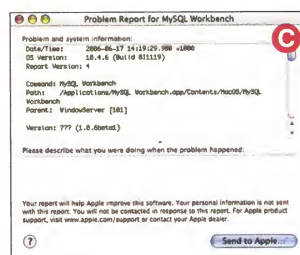
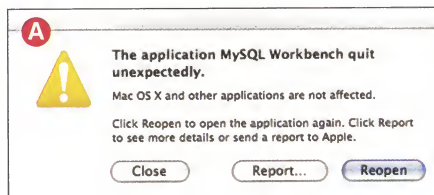
These logs aren't perfect — if your machine totally crashes before the application causing the problem has logged anything, you'll probably not see anything useful in the logs. The application may not even be programmed to log any information, so you may only have the crash logs to go by.

Also, to prevent the logs from growing forever, the maintenance script which runs automatically each night zips

the current log, renames it, and deletes the oldest zip archive of previous logs — so, for example, the system.log file is zipped and renamed system.log.0.gz, but to make room for the new "0" file, the file numbered 7 (system.log.7.gz) is deleted, and those numbered 0-6 are renumbered to 1-7 before the current file's zipped version is prepared.

This means you'll only ever have a set of logs back a relatively small amount of time. Usually, you'll be wanting to look at the logs from the recent past, but if you want to ensure you have old logs, it's up to you to make copies manually.

The aim of preventing the logs from growing indefinitely is probably rooted in experience. Log files could, theoretically, grow over time to fill your hard disk if they weren't recycled in the way described above.



A momentary lapse

Microsoft Reader tip

■ If you want to take a time-lapse movie, but your camcorder doesn't support it, have no fear — iMovie does! In iMovie 6 or later, you just plug your camera in, then click on the arrow next to the camera-mode toggle. In the

pull-down menu select Time lapse. Then you just select how often you want to save a frame, and away you go. You can even have a date and time stamp, though I think that's a bit distracting. This obviously works best if you can take your Mac to wherever your subject happens to be.

Charlotte Ewing
Dubbo, NSW

Each month, Microsoft gives a free Notebook Optical Mouse valued at \$70 to the Australian Macworld reader who submits the best tip. Sized for mobility and designed to be noticed, Microsoft Notebook Optical Mouse 3000 offers great comfort for either hand and is always good to go. E-mail your tip, together with your

name, address and phone number, to matthew.powell@niche.com.au
All reader tips published become the sole property of Niche Media.



All your music.
Everywhere you go.
All the time.

Audi iPod adapter



The Audi iPod interface combines the latest in MP3 technology with driving ergonomics. You can now access your iPod music collection during each trip, while at the same time recharging your iPod from the onboard power outlet. Once installed, simply plug your iPod into the adaptor and enjoy seamless access to all of your music by using your Audi sound system controls.

Please call 1800 50 AUDI for your nearest Audi dealer or visit www.audi.com.au for information regarding your Audi's compatibility, iPod options, pricing and installation.





Heed the call

Skype Hacks author Andrew Sheppard encourages you to browse freely through his 100 hacks. If there's a prerequisite you need to know, a cross reference will guide you back. And don't be put off by the word "hacks". The little tricks are all quite legal and not too technical. The book covers Skype operation on Windows and Linux as well as Mac OS X and you're generally free to copy the code examples for your own use. The 300 or so pages contain ample black-and-white screen shots so you can see what's happening.

The book is divided into several chapters organised by subject. The first chapter is for beginners and explains how Skype works and its main features. Then you'll learn how to save money by mixing Skype with other phone services and how to avoid costly traps. The next two chapters get Skype up and running and configured to your personal needs. Special chapters deal with business users, chat, voicemail and Skype on your mobile. Security and privacy concerns are covered next followed by add-ons, tools and workarounds for Skype's limitations. The last chapter shows you how to automate repetitive tasks with AppleScript.

Sheppard is an obvious Skype enthusiast and he has broken the whole subject into manageable, readable chunks. Not too complex for beginners, but also with lots of goodies for experienced Skypers, *Skype Hacks* is well worth serious consideration.

Skype Me by an authoring team headed up by skypetips.com webmaster Michael Gough covers the same ground and then some, with a hundred pages over the previous title.

The book stays current with regular updates (see "Hot links") and as a bonus you'll also get four downloadable e-booklets on "topics related to the book". When last I looked at the site I found Software Piracy Exposed; Securing IM and P2P Applications for the Enterprise; Phishing and Stealing the Network: How to Own an Identity. Not quite sure of the relevance there. There's also supposed to be a comprehensive FAQ page and a From The Author forum — both of which I found empty.

What you do get however is a relatively painless path through the basics, instruction on how to set up accounts and begin chatting, and how to manage the transition from your existing services to Skype. Then it's more technical with voice mail, SMS and call forwarding before programming Skype itself and connecting with a



Hot Links

www.skypetips.com/web_pages/skype_me.html
Skype Me updates

Skype server. The main difference, however, between this and preceding title is in the detailed solutions for using Skype in the workplace — which include help desks, WiFi phones and security issues such as firewall configuration and network settings.


The downside of this book for Mac users are the two chapters on software and hardware add-ons, as they are almost totally Windows-only. If you can put up with these minor annoyances Skype Me will tell you most of what you need to know.

Digital Video Production Cookbook is a cleverly conceived book showing you how to achieve specialist effects on a shoestring budget. With the growing affordability and sophistication of digital video cameras and video editing software, ordinary consumers can now aim at standards unthinkable a few years ago. Lavishly illustrated in full colour and unashamedly pro-Mac in its choice of video-editing software, this title will help you reach these new heights.

It's not for absolute beginners though. You'll need to be familiar with your video camera and be reasonably comfortable with your editing software (Final Cut Express or Pro if you can, in preference to iMovie). It will also help if you have some idea of how scenes are set up, shot and put together. You'll also need a tripod, some sort of lighting, an external microphone and headphones. The book only deals with video techniques — managing the acting talent is up to your own directing skills.

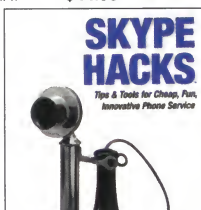
The recipes are grouped by theme: lighting effects, camera illusions, camera moves, editing tricks, production effects, visual effects, stunts, night shoots, sound and makeup effects. All the favourites are there: spooky shadows, pull focus, laser bolts, fake rain, snow and wind, slomo and superfast motion. I particularly loved the walking-through-a-wall effect, the pantyhose filter and the faux hologram.

Most effects are covered in one or two pages with numbered illustrations. Each technique is explained against the background of its use in professional film.

An ideal book for novice movie makers, home video enthusiasts and even more advanced users trying to eke the last buck out of a skimpy budget. 

Keith has been a Mac addict since 1984 and still can't fathom why there is anyone who isn't.

Title **Skype Hacks — Tips & Tools for Cheap, Fun, Innovative Phone Service.**
Author **Andrew Sheppard**
Publisher **O'Reilly**
ISBN **0596101899**
RRP **\$44.95**



Title **Skype Me — From Single User to Small Enterprise and Beyond**
Author **Micahel Gough et al**
Publisher **Syngress**
ISBN **1597490326**
RRP **\$65.00**



Title **Digital Video Production Cookbook — 100 Professional Techniques for Independent and Amateur Filmmakers**
Author **Chris Kenworthy**
Publisher **O'Reilly**
ISBN **0596100310**
RRP **\$55.00**





2006 Apple Computers

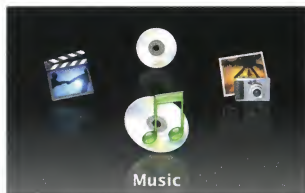
Intel inside! Take a look for yourself!

Call today — we have special pricing just for you!

Ph: 02 9548 3231 (Engin 02 8209 1769)



Trish Harris JP



Q. What's an Intel chip doing in a Mac?

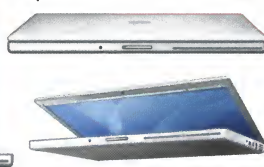
A. A whole lot more than it's doing in a PC!

What if you could command an entire world of music, photos, movies and DVDs — all from your sofa? Now you can share the good life with friends and family on a 17- or 20-inch new

iMac Intel RRP from \$1999 Yours from only \$1899

Mac Book 13" RRP from \$1749 Yours from \$1699

Mac Book Pro RRP from \$3199 Yours from \$2999



Parallels Desktop for Mac

Use any version of Windows (3.1, 3.11, 95, 98, Me, 2000, NT, XP, 2003), any Linux distribution, FreeBSD, Solaris, OS/2, eComStation, or MS-DOS secure virtual machines running alongside Mac OS X.

Parallels Desktop for Mac is the first solution that gives Apple users the ability to run Windows, Linux or any other operating system and their critical applications at the same time as Mac OS X on any Intel-powered iMac, Mac Mini, MacBook or MacBook Pro. Unlike dual-boot solutions, in which users must completely shut down Mac OS X and endure a full OS start-up cycle to access a important application, Parallels Desktop for Mac empowers users with the ability to run important Windows programs like Outlook, Access, Internet Explorer and all other applications without having to give up the usability and functionality of their Mac OS X machine even for a few minutes. Boxed Product arrives mid August 2006

RRP \$145.00 Yours for \$139.00



iWork '06 imports AppleWorks, imports and exports Microsoft Word & PowerPoint files, and supports wide range of industry standard file formats including PDF, Adobe Photoshop, TIFF, JPG and QuickTime®.

All this for only \$119
Family pack \$149

Keynote 3—The only way to create cinema-quality presentations and interactive slideshows with ease. Keynote puts you in the director's chair and gives you complete control over how you build and deliver your presentation.

Pages 2—It's the easiest way to create great-looking documents for your group or your business — from simple letters and flyers to professional quality newsletters and brochures.



Adobe Transactional Licensing Program 4.0 Specials - Save \$1000's by taking advantage of us

Pick up the phone and order your **NEW Multi-User license TODAY**

Find out how to save \$1000's more while keeping your software up to date with **Adobe Open Options 4.0 Upgrade Plan**

Recent Popular Upgrades and Crossgrades

Adobe® Acrobat® Professional	\$253	Adobe® GoLive®	\$307	Cleaner	\$365	Macromedia® Freehand® v11 from 9	\$249
Adobe® Acrobat® Standard	\$154	Adobe® Illustrator® CS	\$307	Delta Graph	\$440	Macromedia® Freehand® v11 from 10	\$175
Adobe® Audition	\$165	Adobe® Indesign® CS	\$307	DiskWarrior	\$ 88	Macromedia® Studio 8	P.O.A
Adobe® After Effects® Pro	P.O.A	Adobe® Pagemaker OS9 Mac/Win	\$165	Filemaker® Pro 8	\$286	MasterJuggler Pro	\$ 89
Adobe® After Effects® Standard	P.O.A	Adobe® Premier	\$349	Filemaker® Pro 8 Advanced	\$499	Microsoft® Office 2004 Standard	\$399
Adobe® Creative Suite 2 St from PS	\$899	Adobe® Pagemaker Indesign Edition	\$649	IntelliHance Pro	\$199	Microsoft® Office 2004 Pro	\$599
Adobe® Creative Suite 2 St from CS1	\$599	Adobe® Photoshop® CS	\$307	Macromedia® ColdFusion	P.O.A	Portfolio	\$199
Adobe® Creative Suite 2 Pr from PS	\$1249	Adobe® Streamline	\$165	Macromedia® Contribute	\$132	QX Tools Pro	\$195
Adobe® Creative Suite 2 Pr from CS1	\$899	Adobe® Type Manager Del OS9 Mac	\$119	Macromedia® Director (from 8.5+)	\$599	Stuffit Deluxe	\$ 59
Adobe® Dimension	\$149	QuarkXpress® v3 to v7	\$569	Macromedia® Dreamweaver® 8	\$299	Suitcase Fusion	\$ 88
Adobe® Framemaker - UNIX	\$495	QuarkXpress® v4 to v7	\$569	Macromedia® Flash Pro 8	\$479	TechTool Pro XGrade	\$ 99
Adobe® Framemaker - Windows Only	\$385	QuarkXpress® v5 to v7	\$569	Macromedia® Freehand® Xgrade	\$275	TechTool Pro	\$110

Favourite Upgrades And Crossgrades



Australia Wide Shipping

PO Box 289, Sutherland 1499

Ph: 02 9548 3231 Fax: 02 9548 3901

www.nextformac.com.au

sales@nextformac.com.au

Celebrating 22 years in 2006!



Authorised Solutions Reseller

For your full expanded price list in PDF, visit our site at www.nextformac.com.au — Remember, if what you are looking for isn't listed, it doesn't mean we can't get it for you!

Our web site is constantly undergoing changes, so be sure you keep checking back for all of your latest software pricing and web specials.

All prices subject to change without notice - E&OE

Ratings key

Outstanding	★★★★★
Very good	★★★★
Good	★★★
Flawed	★★
Unacceptable	★
Dangerous	●

AMW lab: Maxi and mini storage

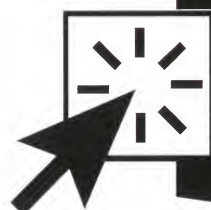
Room to move

NO matter how old your Macintosh is now, when it was new its hard drive seemed so large you thought you'd never be able to fill it. Even if you bought a new Mac after digital cameras had arrived, with commensurately larger internal storage space, the megapixel count keeps creeping skyward and photo files get correspondingly fatter. Then of course there's iTunes and all those MP3s.

If you're into digital video editing you are no doubt so familiar with add-on storage that you could probably have written this review yourself off the top of your head. For the rest of us, the good news is that giving your Mac more room to play is as easy today as it was for the very first Macs (which desperately needed add-on storage thanks to Steve Jobs's decision not to include a hard disk inside the box. He apparently thought it would make the PC "for the rest of us" too noisy, and besides who would need all that space?).

Back then when Macs had tiny nine-inch black-and-white screens, and a beige case to match the screen-size, third-party manufacturers produced external disk drives, and external CD-drives, in the same form factor so they could fit neatly under your Macintosh. This served the dual purpose of raising the Mac to a better viewing height as well as adding storage, and allowed the *White Pages* to be returned to the bookshelf. With the advent of the Mac mini, drive makers have seized the opportunity to return to the stackable form factor.

On test. AMW Lab looked at three add-on drives from Iomega, LaCie and Newer Technology which were Mac mini-sized, and three add-on drives from Iomega, LaCie and Maxtor which weren't designed to sit under anything in particular, but instead built for huge capacity. You could of course, use any of these drives with any Macintosh – the Mac mini form



Test drive.

We evaluate, rigorously test and give detailed assessments of new-release software and hardware.



	LaCie Big Disk Extreme 1TB	LaCie mini Hub HD	Maxtor OneTouch III Turbo	Iomega StorCenter Wireless
■ Type	Large-capacity desktop drive	Mac mini-style external drive	Large-capacity desktop drive	Large-capacity desktop drive
■ Rating	★★★★	★★★★½	★★★★	★★★★½
■ Pros	Slim form factor, one touch backup	Mac mini form factor, side access ports	Chunky form factor, one-touch backup	Wireless access, printer sharing
■ Cons	Proprietary power supply	Proprietary power supply	Proprietary power supply	No FireWire
■ Capacity	1TB	500GB	1TB	1TB
■ Ports	FireWire 400, USB 2.0, FireWire 800 x 2	FireWire x 3, USB 2.0 x 5	FireWire 400, USB 2.0, FireWire 800 x 2	WiFi, USB 2.0 x 2, Ethernet
■ RRP	\$1169	\$629	\$1199	\$1999
■ Manufacturer	LaCie	LaCie	Maxtor	Iomega
■ Distributor	LaCie Australia 02 9669 6900	LaCie Australia 02 9669 6900	Maxtor Australia 02 9369 3662	Iomega Australia 02 8223 9140
■ Reviewer	Ian Yates			
■ Hot links	www.lacie.com/au	www.lacie.com/au	www.maxtor.com.au	www.iomega.com.au



factor drives just look better when parked under a Mac mini. Since that form factor restricts the internals to a single disk drive, the storage capacity is determined by the largest available drive, currently 750GB.

While 750GB is nothing to be sneezed at, the free-form box-designs of the other drives allow for two internal hard disks, and a theoretical maximum of 1.5TB. The three large units on test all had a pair of 500GB drives inside, while the Mac mini-sized boxes had single disks, with 300GB inside the Iomega, 500GB inside the LaCie and 750GB inside the Newer Technology.

Any port in a storm. Because the Mac mini has its USB and FireWire ports on the rear, the makers of the LaCie and Newer Technology drives have added expansion ports on the sides of their boxes. Iomega also offers expansion ports but decided to leave them on the back panel along with the Mac mini's own ports. Of course, there's nothing stopping you from orienting the Iomega drive backwards so that you have easier access to the extra ports for plugging in cameras and thumb-drives. Reportedly, some users find back-panel ports so inconvenient they already park their Mac Mini backwards, preferring to reach over to insert a CD/DVD, rather than reaching over to find a USB port.

The larger LaCie and the Maxtor both have FireWire 800 ports, which are missing from the baby drives. No doubt this is because the Mac mini has no FireWire 800 ports either. However, if you have a FireWire 800 equipped Mac, or a desktop Power Mac which can have a FireWire 800 card added, you get better speed as well as more storage with the bigger

boxes. As well as the faster interface speed, the boxes with multiple disks inside implement RAID 0, which presents both disks to your Macintosh as a larger single disk, with faster read access. If you'd rather have more protection than storage space, these dual disk units can also be configured as RAID 1, or mirrored, giving you half the capacity but two copies of every file just in case something fails.

The larger Iomega StorCenter Pro connects to your Macintosh via WiFi and doesn't have any FireWire ports, either old 400-speed or the newer 800-speed, but it does have USB 2.0, which is designed to support an attached printer. Being a WiFi device you can park the Iomega drive anywhere that has power, and the storage can be shared with several Macs and even Windows PCs that you might grudgingly have allowed into your life. If you have just selected a new all-in-one printer, the Iomega StorCenter Pro could be just the thing to park alongside, letting you share the printer as well as the storage space.

Safeguards. A continuing problem with hard drives is that they are made from mechanical spinning parts so they inevitably die, and the likelihood of their demise is directly proportional to how long it has been since you saved a copy of your files, multiplied by how important your files are. These external drives all come with software to assist with backups, which can be set to run automatically every week, or every day, or even hourly for the truly paranoid. The larger desktop models have a single button on the front, which you can press to initiate the backup process, saving you even the effort of clicking on the backup icon on your desktop.

Iomega MiniMax	Newer Technology Mini Stack
Mac mini style external drive	High-capacity Mac mini-style external drive
⚡⚡⚡	⚡⚡⚡
Mac mini form factor	Mac mini form factor, side access ports
All ports on the rear, proprietary power supply	Proprietary power supply; has to be bought online
300GB	750GB
FireWire 400 x 3, USB 2.0 x 4	FireWire 400 x 3, USB 2.0 x 4
\$449	around \$900 including shipping
Iomega	Newer Technology (USA)
Iomega Australia (02) 8223 9140	Other World Computing (online)
www.iomega.com.au	www.macsales.com



Maxtor (recently acquired by Seagate) manufactures many of the original disk drives inside PCs and now has its own range of external drives. Inside this box there are two 500GB disks providing 1TB of total storage, or you can configure it as a 500GB disk with the second drive automatically mirroring whatever you save on the first drive – for even better protection against failure. If one drive fails, you can still access your files on the other drive until you replace the broken disk.

LaCie specialises in the Macintosh market but its products are equally suitable for Windows PCs. The Big Disk Extreme houses two 500GB disks inside, which appear as a single 1000GB drive on your Macintosh. Accessing your files is 25 percent faster with the two disks configured in this way as one drive. Like the Maxtor unit, the LaCie comes with backup software and a button on the front to activate the program. The Big Disk Extreme comes in a slimline case so its name refers to its capacity rather than the amount of desk space it occupies.

If you have more than one Macintosh you might like to share your extra storage space. You could do that in the usual file sharing way, or you could choose the 1TB StorCenter Wireless from Iomega, which is designed to be shared via Ethernet or the built-in WiFi. If you're ever unfortunate enough to be



Another mini on the market

Although not included in this test, it's worth noting the existence of another mini-style enclosure on the market. The M9 mini pod, by MaxPower, is in fact identical to the Iomega MiniMax (Iomega rebadges the same device, as do a few other makers). With the M9, however, you have the option to buy a bare enclosure from your reseller (if you have a spare drive lying around, from an old Mac for instance). You can also buy a populated enclosure from distributor Silicon Memory. A 320GB drive in an M9 will cost you \$375, as opposed to \$449 for the 300GB Iomega.

For more information contact Silicon Memory on 02 9417 7822 or www.siliconmemory.com.au



the victim of a fire, you might be very glad you located your wireless add-on storage in the garage or garden shed.

Big hearts in mini bodies. Although any of these add-on drives will work just fine with any Macintosh, if you own a Mac mini these baby drives will tempt you with their design fitting snugly under your Mac. You can stack as many of these as you like, or the budget allows, until you have the storage space you need.

There's very little to differentiate the three drives reviewed here, except for capacity, with the Newer Technology box being the first to include the recently released 750GB single drive. No doubt the others will soon follow, but until they do, this one provides maximum storage in the least space.

Australian Macworld's buying advice.

If you need to share your storage the Iomega StorCenter Pro with wireless seems well worth the extra money. If you don't need to share, or only occasionally share, then the same capacity can be had for a few dollars less from either LaCie or Iomega.

If you have a Mac mini it would be hard to ignore the drives designed to fit under the littlest Macintosh. Which one you choose depends on how much storage you need and where you like your ports located. I prefer the LaCie mini Hub HD for its mix of capacity, port location and the little extra lugs on the lid to stop your Mac mini sliding around. 🐘

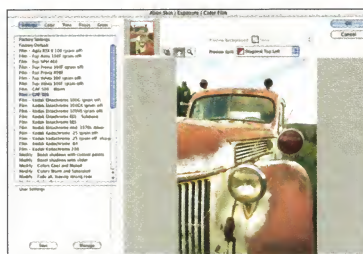
■ Type	Photoshop plug-in
■ Rating	★★★★½
■ Pros	Realistic simulations of popular colour and black-and-white film stocks; easy to use; fast
■ Cons	Relatively steep price
■ OS X	10.3 or later
■ Processor	Universal
■ RRP	\$297
■ Publisher	Alien Skin
■ Distributor	XClusive 1300 137 140
■ Reviewer	Jan Kabili
■ Hot links	www.xclusive.com.au

Exposure

Bridges the gap between film and digital photography

SOME professional photographers jumped readily from film to digital photography. Others are crossing over more reluctantly. Alien Skin Software is making them feel a bit more at home with Exposure, a Photoshop plug-in that simulates the look of photographs shot with a variety of colour and black-and-white films. With one click, your digital photographs can take on the saturated colours of Fuji Velvia or the unique grain of Ilford Delta 3200.

Alien Skin developed Exposure's many film simulations by carefully analysing real films and using that information to



Last chance to see.

Exposure's split-screen preview shows the plug-in's simulation of GAF 500, a discontinued grainy colour film.

emulate the characteristics of each, and paying special attention to film grain. Exposure re-creates the size, shape, colour, and location of real grain, rather than just throwing single-pixel digital noise into images. The plug-in also includes some image-optimisation and darkroom-effect presets such as cross-processing (which mimics processing slide or negative film with incompatible chemistry) and soft focus.

The plug-in's detailed interface is well organised and relatively easy to use. You can stick with any of Exposure's one-click factory settings or create your own presets, using the many controls tucked away behind the Color, Tone, Focus, and Grain tabs. The product performs well, applying its presets within seconds. And it ships with a comprehensive manual and Help files, although the latter are somewhat buried in the interface.

Australian Macworld's buying advice. Exposure is a good choice for professional photographers who want a quick way to simulate the look of a favourite film stock. 

YOU KNOW HOW GOOD YOU ARE. DO WE?

New, exciting jobs listed daily at www.jobs.aquent.com

Aquent are experiencing a very high demand for creative talent — for both freelance and permanent opportunities! Check out our jobs online at www.jobs.aquent.com, or call our Adelaide, Brisbane, Melbourne, Perth or Sydney office on 1800 672 625.

AQUENT

Total Staffing Solutions for Marketing, Communications and Creative

Australia China Japan Korea Malaysia New Zealand Singapore | Europe North America
aquent.com | Creative Marketing Advertising Media PR Business Support

■ Type	Virtualisation software
■ Rating	★★★★½
■ Pros	Fast; inexpensive; runs many different OSes, including multiple versions of Windows
■ Cons	No accelerated 3D graphics; spotty hardware device support; no bundled OS included; memory hungry
■ OS X	10.4
■ Processor	Intel
■ RRP	\$145
■ Publisher	Parallels
■ Distributor	Conexus 02 9975 2799
■ Reviewer	Rob Griffiths
■ Hot links	www.parallels.com

Parallels Desktop for Mac

Opens up Windows to Intel Macs

FOR many Mac users, running Windows applications is a necessity. Perhaps your employer uses software that's available only for Windows, or requires use of a web site that relies on some Windows-only technology. For years, these users haven't had many options. Microsoft's Virtual PC was the best choice, but even on the fastest Macs, it provided a less-than-speedy Windows experience.

Apple's switch to Intel CPUs, however, means that running Windows on a Mac is suddenly much easier – there is no longer a need to emulate an entire CPU, as new Macs now use the same CPU as their Windows counterparts. This means that, in theory, running Windows on OS X should be both simpler and much faster than it was with Virtual PC.

Apple's Boot Camp program allows new Intel Macs to boot directly into Windows XP (Pro or Home versions) and run it natively, with full support for accelerated graphics and hardware devices (other than the built-in iSight camera, that is). Rebooting is time consuming, and Mac users would much rather stay in OS X and just run Windows when needed. Plus, Boot Camp only supports Windows XP.

Enter Parallels Desktop for Mac, an OS X solution for running "guest" operating systems within OS X. Parallels utilises the Intel chip's hardware virtualisation technology (VT). Although that's a mouthful of buzzwords, what it means is simple: VT lets an Intel CPU act as if it were several distinct CPUs, which in turn enables guest operating systems to run much faster.

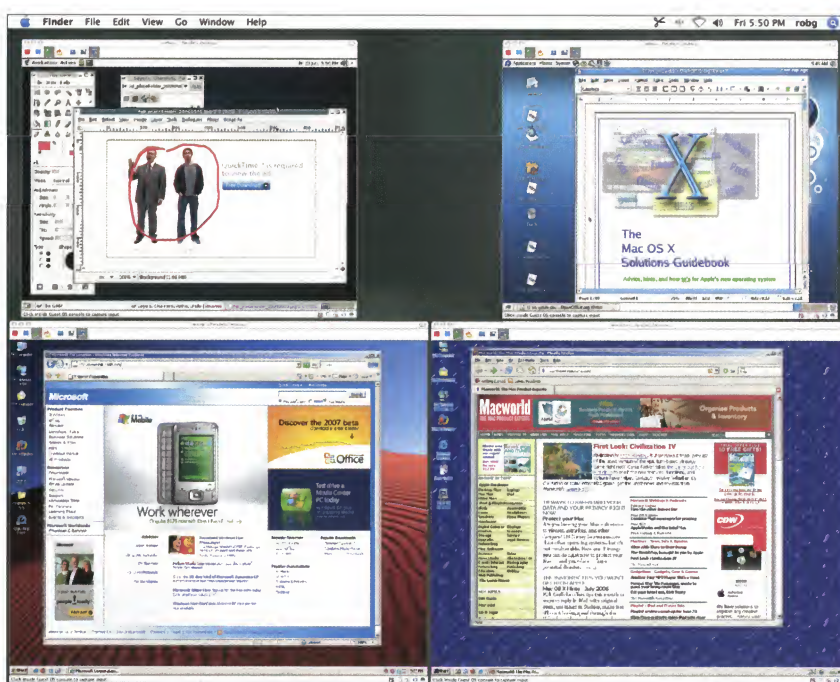
All are welcome. With Parallels Desktop for Mac, you can run many different operating systems at near-native speeds, all without leaving the friendly confines of OS X. Here, two different versions of both Linux and Windows run at the same time.

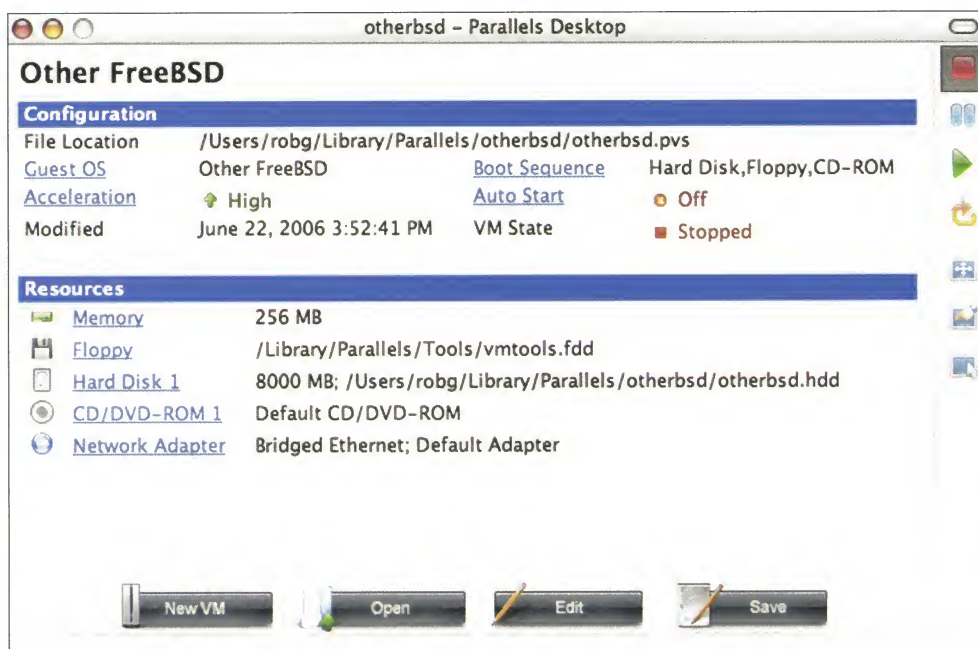
What it really means to you, the user, is that you can run a wide variety of operating systems, including multiple versions of Windows – from 3.1 to 2000 to XP – as well as multiple versions of Linux, at very good speeds, and without ever rebooting your machine.

Installation. Installing Parallels is no different than installing any other OS X program that uses an installer. Double-click the installer, follow the prompts, and wait for it to finish. After installation, you'll find the program in the Parallels folder in the Applications folder. Behind the scenes, Parallels has installed quite a few things on your machine, including a kernel extension (a low-level tool that modifies the core of OS X) to enable its magic. An included uninstaller worked well when I tested it, removing the program and its associated parts.

Setting up. As noted, Parallels can run many different operating systems. After launching the application, the first thing you must do is create a virtual machine (VM), specifying which OS you're planning to install. You do this by answering a few questions in an easy-to-use setup wizard. Based on the OS you choose, Parallels appoints values for the hard drive size, CD-ROM, video, RAM, etc. (You can customise these settings, if you wish.)

Once everything's set up, the next step is to install your chosen operating system. Parallels doesn't include any operating systems, so it's up to you to supply them. In the case of Windows, you'll need the actual installation CDs. For Linux distributions, you may have image files (.iso) or burned CDs, depending on the source of the Linux distribution you're using. (Parallels can handle both formats, though you'll need to specify that you are using an image file during the setup process.) You simply insert your installation CD, press the Play button in the Parallels interface, and the virtual machine will "boot," which begins the actual OS installation process.





Easy controls. A FreeBSD (a version of Unix) virtual machine is set up and ready for launch. The buttons along the side let you stop, start, and pause the virtual machine, as well as choose between full screen or window-based operation.

chosen to install, you'll spend anywhere from 10 to 45 minutes completing the installation. Using Windows XP, for instance, I was able to install a fresh copy in about 30 minutes – basically the same amount of time it takes to install XP on a “real” computer.

After installing Windows, you should make sure you boot the new operating system and run through the Parallels Tools installation. This toolkit will make your mouse work seamlessly between OS X and your

At this point, the guest operating system really has no clue that it's being installed on a machine running a virtual version of a computer under OS X. To the installer, the machine looks like a dedicated, Intel-based computer system, with all of the appropriate hardware and software support. Depending on which OS you've

virtual Windows machines, and it will enable more graphics resolution choices, among other features. This tool is also available for a few of the other supported OSes, such as OS/2.

You can create as many VMs as you wish, assuming you have the drive space available to hold the image files.



ATTN: Web Developers!

Everything you need to resell web hosting:

- ✓ full featured plans
- ✓ friendly support
- ✓ hosting from \$11.70
- ✓ 'private label' option
- ✓ integrated eCommerce
- ✓ no setup fees
- ✓ programming services
- ✓ load balanced server farm

www.server101.com

Server101
WEB HOSTING

• Level 12/301 Coronation Drive Milton
• PO Box 1508, Milton BC Qld, 4064
• ph: (07) 3876 6101 • fx: (07) 3876 3101

Usage. After you have your guest OSes installed, using them in Parallels is essentially the same as using them on a standalone machine – with a couple of key exceptions.

The first, and the biggest letdown for diehard gamers, is that Parallels can't presently handle accelerated 3D graphics. So, while you can play Windows Solitaire just fine, you'll have to use Boot Camp if you want to try out Half Life 2.

The second limitation is that not every hardware device in your collection will work perfectly, if at all. For instance, if you have a Windows Mobile 5 smartphone, you'll need to install a free, third-party tool to successfully sync the device. You also might have trouble with some phones, media card readers, webcams, scanners, and so forth. Some devices work perfectly, while others don't work at all. While this situation will probably improve with future releases, if you need 100-percent hardware compatibility, then a reboot via Boot Camp is your best bet. If you don't require 3D accelerated graphics or full hardware support, then Parallels delivers solid results.

To test Parallels' performance, we ran WorldBench 5, the official PC World testing tool, on both a 20-inch 2.0GHz Intel iMac and a 15-inch 2.16GHz MacBook Pro, and we compared those results with the same machines running Windows XP Pro natively via Boot Camp, and with a few actual PCs.

Using Parallels on the Macs, the overall WorldBench test score was about two-thirds of what it was for the same machine booted natively into Windows via Boot Camp. Some portions of our

testing, such as multitasking, show a big divide in performance. Other portions show only slight differences. In our Office 2002 test, for example, Parallels was only about ten percent slower than in native mode. Overall, our results indicate that, using Parallels, you'll get about two-thirds of the speed you'll get using Boot Camp.

How do these benchmarks translate to real life? I performed a few additional tests to simulate some common tasks. Running Microsoft Office on a 1.66GHz Core Duo mini with 2GB of RAM, the speed was impressive. I was hard pressed to tell any difference between scrolling through a long Word document in Parallels and scrolling through that same document when booted into Windows via Boot Camp.

Even using applications that perform very complex computations, like Photoshop CS2, you'll see good results. I applied a complex mesh image filter to the same image on the Core Duo mini in three different environments: in OS X (running CS2 via Rosetta, since Photoshop is not yet a Universal Binary application), in Windows XP under Parallels, and in Windows XP running natively via Boot Camp. As you might guess, the Boot Camp XP machine was the fastest, taking 36 seconds to apply the filter. Close behind it, though, was the Parallels XP machine, at 44 seconds – only eight seconds slower. Trailing badly, at 77 seconds, was Photoshop in Rosetta on OS X. So for now, if you are a Photoshop power user with an Intel Mac, you may be better off running it in Windows on your Mac, either via Parallels or



Get Your Macs Retailing with POS•IM

"Robust and adaptable...POS•IM edges out in front when it comes to hitting the ground running and (providing) flexibility for your needs."

Australian MacWorld 08.2003

Includes
Rentals
Module
+
Grids/Style
Row &
Colour



Choose your Mac



Install POS•IM



Plug in a printer & barcode scanner



Start Retailing!

Easy to Use
Single and Multi User
Multi Store, Multi Site
Mac and Windows compatible

POS•IM
POINT OF SALE
INVENTORY MANAGEMENT

Barcoding options
Customisable reports
Stock, Invoicing, Debtors...
Integrates with accounting

Call Symbiotic Australia on 03 9895 2999, or email sales@symbiotic.com.au

Boot Camp. Of course, you'll need to own a Windows copy of Photoshop to take advantage of the additional speed.

You can also set up shared folders between OS X and your Windows XP/2003/2000 virtual machine, making it easy to move data back and forth. (Other operating systems don't support shared folders, but you can still use those systems' networking capabilities to connect to your Mac via file sharing, for instance.) Outside of shared folders, though, your Mac's hard drive will be invisible to Windows. This is generally a good thing, for it means that any malware or viruses that may infect your Windows virtual machine won't be able to damage anything on your Mac's hard drive.

Since virtual machines are stored on your computer as single files (think of them like a standard OS X disk image), it's very easy to move them from one Intel Mac to another — just copy the folder to the other machine, and you're done (keeping in mind licensing restrictions, of course). It's also easy to back your virtual machine up, to any Mac or to an external hard drive. Just drag and drop, and you've backed up your entire Windows system, applications and all.

More than Windows. As noted, you can run more than just Windows using Parallels. There are at least 20 supported operating systems, many of which are free to download and use, such as Fedora Core Linux or BSD Unix. If you've ever wondered what Linux is all about, installing and using a version via Parallels is a relatively painless way to try it out. Download a version of Linux, set up a virtual machine, install the OS, and test it out. If you like it, keep it around. If you don't like it, just throw away that virtual machine's file from your hard drive, and it's gone for good.


Since Parallels uses VT to increase performance, you can run more than one guest OS at a time. I've run as many as four at once without having the Core Duo grind to a halt in protest. For

those who need to test a web site in many browsers on many platforms, this can be a huge time saver.

Duplicity. If you use Boot Camp, you're probably wondering if you can use your existing Windows partition for Parallels. Unfortunately, you can't, due to the way Parallels works. You'll have to install Windows again (you can install and activate Windows XP on the same machine more than once, though you'll need to call Microsoft to complete the second activation).

With two Windows installations sitting on your drive, it might get a bit confusing trying to find your Windows data files — you can't see the Parallels disk image when in Boot Camp, and vice versa. Hard drive space might also become a bit of an issue, since you'll also wind up installing two copies of all your applications.

Must have RAM! To get the most out of Parallels, you'll want to give your Mac as much RAM as you can afford — 1GB is a good starting point, as you'll then have enough RAM to run Parallels alongside a few other applications. However, 2GB is much better, particularly if you're going to run multiple OSes at the same time or run a lot of large applications within your virtual machines.

Australian Macworld's buying advice. Parallels' ability to run nearly every version of Windows, along with many versions of Unix and Linux, makes it a valuable tool for anyone using an Intel-based Mac who has a need or desire to work with other operating systems. If your job requires Windows, but you love your Mac and OS X, Parallels will truly give you the best of both worlds. If you put your Parallels session in full screen mode, anyone walking by won't even be able to tell that under the Windows façade, you're actually running the world's greatest operating system. 

Parallels Desktop benchmark results

Test System	Processor	WorldBench 5 Score	Multitasking Test	Windows Media Encoder 9	Roxio Video Wave	Adobe Photoshop 7.0.1	Microsoft Office 2002 SP-2
20-inch Apple iMac Core Duo (Boot Camp)	2.0GHz Intel Core Duo	96	423	294	267	320	541
20-inch Apple iMac Core Duo (Parallels)	2.0GHz Intel Core Duo	67	1142	517	396	415	577
15-inch Apple MacBook Pro (Boot Camp)	2.16GHz Intel Core Duo	98	419	280	259	305	535
15-inch Apple MacBook Pro (Parallels)	2.16GHz Intel Core Duo	67	915	369	392	382	588
HP Compaq nx9420 (laptop)	2.16GHz Intel Core Duo	101	444	279	259	311	575
Ajump NBP1105 (desktop)	2.2GHz AMD Athlon 64 X2 4200+	97	518	307	286	359	542
Dell Dimension E510 (desktop)	2.8GHz Intel Pentium D 820	88	656	353	290	404	560
HP Pavilion a1250n Media Center Desktop PC	2.0GHz AMD Athlon 64 X2 3800+	94	521	321	290	367	563
		>Better	<Better	<Better	<Better	<Better	<Better

Best results in bold. Reference systems in italics. All individual test results in seconds.

All systems had 1GB RAM. Macs used Apple's Boot Camp beta to install Windows XP. All were tested with Windows XP Pro with Service Pack 2 except the HP Pavilion and Dell Dimension, which had Windows Media Center Edition installed. For more information on WorldBench 5, visit PCWorld.com.—MACWORLD LAB TESTING BY JAMES GALBRAITH AND JERRY JUNG

SeriTek Int/Ext Serial ATA Controllers



Now Available: FirmTek 2-Port Serial ATA Card
Features: PCI card with dual hot-swappable Serial ATA ports (internal port & external port versions available) • Supports drives larger than 137GB • Serial ATA 1.0 Compliant • Includes Mac OS X and PC software RAID support (Mac OS 9 supported with optional software) • Built for Mac OS 9, OS X and Win 2000/XP/2003
Just In: FirmTek 4-Port Internal SATA Card

Exclusive Australian Distributor **TRY&BYTE** www.tryandbyte.com.au

iPOD REPAIRS

Non-Warranty or Warranty

Bad battery?
 Cracked screen?
 Damaged case?
 Failed hard drive?

available for all models*

Phone (03) 9857 0611

*Subject to parts availability

www.synergeticaustralia.com

+WEB HOSTING FROM LESS THAN \$5 PER WEEK
+DOMAIN NAMES AT COMPETITIVE PRICES!!
+WEB SITES FROM ONLY \$249
+ALL HOSTING ON OUR OWN SERVERS IN AUSTRALIA
SALES+INFO. 1300 139 862
WWW.WEBFACTORY.COM.AU

thewebfactory
 (australia) pty limited (acn 111 226 889)

Hard Disk Problems? We can help!

Problems we can help with:

Faulty Hard Disk Drive
 External Drive not mounting
 Corrupted disk
 Lost or deleted files
 Dropped or damaged disks

Experts with LaCie Drives

PAYAM
 DATA RECOVERY

Sydney: (02) 9870 7202
 Melbourne: (03) 9510 5753

www.payam.com.au



MacThermal Labelling Software

Ph: (02) 9436-0366 www.stratix.com.au Fax (02) 9436-0141

STRATIX

MacBarcod4

OSX, OS9 & PC barcode generation software

Axicon Verifiers

Mac & PC based barcode verifiers

TEC Barcode Printers

Blank media and supplies for all printer types

Printed Labels

We print all label shapes, sizes & quantities

t. 02 8920 0866 m. 0414 270 132
www.macassists.com.au

macassists
 Mac OS X solutions and support



Introducing the **iSkin eVo3** – Total Encapsulation Personalized
 Made from durable, precision-moulded silicone for a perfect fit. Features full-face, ultra clear, scratch resistant screen.

iSkin

Available from:
 your local AppleCentre,
 David Jones, Harvey
 Norman, Domayne, &
www.tryandbyte.com.au

Exclusive Australian Distributor **TRY&BYTE**

Mac Centre

- Long & Short term rentals s.t.a.
- New & Pre-Loved Macs
- Software & Peripherals
- On-site Support
- Trade-in your System

Apple Authorised Solutions Reseller

02 9388 0866

Visit our Online Store:
www.maccentre.com.au

iSnug

iSnug – Ultimate Protection for the iPod nano



Exclusive Australian Distributor **TRY&BYTE**
<http://www.tryandbyte.com.au>

CD & DVD DUPLICATION



BUSINESS CARD AND MINI CDs
IN HOUSE MULTIMEDIA, DESIGN,
PRINTING & PACKAGING
DVD AUTHORIZING
ANY QUANTITY



MultipliCD
CD DUPLICATION SERVICES

689 Malvern Rd Toorak, Vic 3142
mac@duplication.com.au
PH: (03) 9827 6588

Memory Sale

Desktops	1 GIG DDR 2 iMac G5 iSight	\$169
	1 GIG DDR 2 G5 Towers (need pairs)	\$168
All RAM matches /exceeds Apple/EDEC Specs	1 GIG G5 Towers (need pairs)	\$191
	1 GIG Mac Mini	\$229
	1 GIG G5 iMac	\$189
	512MB PowerMac G4 tower	\$139
	256/512 G3 iMacs slot load	\$69/\$141

Mac peripherals and software also a speciality

MacBook memory and hard drives now in stock - email for best quotes

Installation instructions supplied

Laptops
Email for a quote if your memory isn't listed here

512MB iBook G4 and PBook	\$99
512MB PBook Titanium G4	\$176
256/512 White iBook G3	\$79/\$171
256/512 Clamshell iBook G3	\$78/\$169
256/512 PBook G3 Firewire	\$72/\$169
256MB Lombard/Wallstreet PBook	\$119




macrabbit Memory for all Macs, ever!
Tele 0404 872 832 Email sales@macrabbit.net
ABN: 38 783 636 488



VITAL
PERIPHERAL
SUPPLIES

Vital Peripheral Supplies Pty Ltd
Unit 12/27 Dale Street Brookvale NSW 2100
Ph: 02 9905 8797 Fax: 02 9905 4348
Email: sales@vitalsupplies.com.au
www.vitalsupplies.com.au

 Authorised Solutions Reseller

• **Your one-stop solution**
for all Apple hardware,
peripheral, software, imaging
and storage consumables

- *Australia-wide delivery service*
- *We won't be beaten on price or service!*



microseconds for Macintosh



Microseconds was established in 1990 and has since become one of Australia's largest retailers of second-hand Macintosh computers, parts, and peripheral equipment.


- **Service and repairs**
- **New and used Macs**
- **Great warranty**
- **Spare parts**

We Buy Macs

Serving the Macintosh community for fifteen years

Suite 214, 22-36 Mountain Street, Ultimo NSW 2007 • Ph: 02 9281 6392 • Fax: 02 9281 4130 • sales@microseconds.com.au • www.microseconds.com.au

frontier
MANGA STUDIO
THE STANDARD IN MANGA & COMIC ILLUSTRATION



3.0 | DEBUT

#1 MANGA SOFTWARE WORLDWIDE! LEARN MORE

Manga Studio 3.0 Debut!

The Best Way to Create Manga and Comics from Start to Finish! Imagine, draw, and publish manga and comic art with this affordable and powerful tool. Art class will never be the same again!

Only \$110 inc. GST.
(Pro version available. See website for pricing.)

Call 1300 137 140 for more details.
(Reseller enquiries welcome!)



Xclusive
Software
www.xclusive.com.au



Audi

Phone: 02 9695 6200
Email: info@audi.com.au
Web: www.audi.com.au
Page: 65

AQUENT

Total Staffing Solutions for Marketing, Communications and Creative

Phone: 1800 672 1625
Web: www.jobs.aquent.com
Page: 72

comp now

APPLECENTRE

North Sydney 222 Pacific Hwy, 2065,
Ph: 02 9951 7979 Fax: 02 9957 4325 Email:
sales_nthsyd@compnow.com.au

South Melbourne 64 Clarendon St, 3205,
Ph: 03 9684 3600 Fax: 03 9682 2902
Email sales_sthmelb@compnow.com.au

Malvern 1465 Malvern Rd, 3146,
Ph: 03 9824 8544 Fax: 03 9824 8598 Email:
sales_malvern@compnow.com.au

Geelong 255 Moorabool St, 3220
Ph: 03 5223 1550 Fax: 03 5223 2021 Email:
sales_geelong@compnow.com.au

South Yarra 409a Chapel St, 3141
Ph: 03 9827 5011 Fax: 03 9824 2786 Email:
sales_chapelst@compnow.com.au

Chadstone Chadstone Shopping Centre,
Ph: 03 9568 8655 Fax: 03 9568 2255
sales_chadstone@compnow.com.au
Web: www.compnow.com.au
Page: 4 & 5



Phone: 02 9211 8011
Web: www.cgc.com.au
Email: info@cgc.com.au
Page: 19

Clarion®

Phone: 03 8558 1115
Fax: 03 9551 0366 (Administration)
Fax: 03 9551 0377 (Spares & Service)
Email: enquiries@clarion.com.au
Web: www.clarion.com.au
Page: 83



Professional Computer Solutions

Phone: In Melbourne Call 9706-8858
Outside Melbourne: FreeCall 1800 334 684
Fax: 9794 0034
Web: www.designwyse.com.au
Page: 6 & 7

David Harradine Photography & Training

Web: www.whack.com.au
Email: david@whack.com.au
Page: 51



Phone: 02 9817 7622
Fax: 02 8569 2329
Web: www.emdigital.com.au
Email: sales@emdigital.com.au
Page: 16



Phone: 1800 028 316
Web: www.filemaker.com.au
Page: 13

FREQUENCY

COMMUNICATIONS

Phone: 02 9360 0177
Fax: 02 9360 0122
Web: www.frequency.com.au
Email: sales@frequency.com.au
Page: 15



Phone: 1800 999 618
Email: info@ilisys.com.au
Web: www.ilisys.com.au/reseller
Page: 27



Phone: 02 8212 5387
Fax: 02 9427 8688
Web: www.itbox.com.au
Page: 84

jupiterimages™

your search ends here

Phone: 1800 225 319
Web: www.jupiterimages.com.au
Page: 48



made for ideas

Phone: 02 9669 6900
Fax: 02 9669 5005
Web: www.lacie.com/au
Email: sales.au@lacie.com
Page: 57

NEC

Phone: 131 632 from anywhere in Australia
Web: www.nec.com.au
Email: he.marketing@nec.com.au
Page: 31



Phone: 02 9548 3231
Fax: 02 9548 3901
Web: www.nextformac.com.au
Email: sales@nextformac.com.au
Page: 68

**GLENUNGA**

Ph: (08) 8338 7444 Fax: (08) 8338 7488

OPEN

Mon to Wed 8.30am to 5.30pm; Thurs 8.30 to 8.00pm; Fri 8.30 to 5.30pm; Sat 9.00am to 4.00pm

ADELAIDE

Ph: (08) 8410 8585 Fax: (08) 8410 8580

OPEN

Mon to Thurs 8.30am to 5.30pm; Fri 8.30 to 9.00pm

Sat 9.00am to 5.00pm; Sun 11.00am to 5.00pm

NEW SOUTH WALES

Baulkham Hills

Ph: (02) 9688 6066 Fax: (02) 9688 6088

OPEN

Mon to Wed 8.30am to 5.30pm; Thurs 8.30 to 8.00pm

Fri 8.30 to 5.30pm; Sat 9.00am to 4.00pm

PYMBLE

Ph: (02) 9144 4866 Fax: (02) 9144 5318

OPEN

Mon to Fri 8.30am to 5.30pm; Sat 9.00am to 4.00pm

SYDNEY CBD

Ph: (02) 9367 8585 Fax: (02) 9367 8556

OPEN

Mon to Wed 8.30am to 5.30pm; Thurs 8.30 to 8.00pm

Fri 8.30 to 6.00pm; Sat 9.00am to 4.00pm

BALMAIN

Ph: (02) 9555 5200 Fax: (02) 9555 5244

OPEN

Mon to Wed 8.30am to 5.30pm; Thurs 8.30 to 8.00pm

Fri 8.30 to 5.30pm; Sat 9.00am to 4.00pm;

Sun 10.00am to 3.00pm

VICTORIA

Melbourne CBD - Bourke Street

Ph: (03) 9639 9444

OPEN

Mon to Wed 8.30am to 5.30pm; Thurs 8.30 to 8.00pm

Fri 8.30 to 9.00pm; Sat 9.00am to 4.00pm.

MELBOURNE CBD - ELIZABETH STREET

Ph: (03) 9329 3911 Fax: (03) 9329 5966

OPEN

Mon to Wed 8.30am to 5.30pm; Thurs 8.30am - 6pm

Fri 8.30 to 9.00pm; Sat 9.00am to 4.00pm

RICHMOND

Ph: (03) 9429 5002 Fax: (03) 9429 4740

OPEN

Mon to Wed 8.30am to 5.30pm; Thurs 8.30 to 8.00pm

Fri 8.30 to 5.30pm; Sat 9.00am to 4.00pm

QUEENSLAND

Brisbane

Ph: (07) 3220 0400 Fax: (07) 3220 0433

OPEN

Mon to Thurs 8.30am to 5.30pm; Fri 8.30 to 7.30pm; Sat 9.00am to 4.00pm

SURFERS PARADISE

Ph: (07) 5504 1000 Fax: (07) 5504 1011

OPEN

Mon to Fri 8.30am to 5.30pm; Sat 9.00am to 4.00pm

PERTH

Nedlands

Ph: (08) 9389 0400 Fax: (08) 9389 6144

OPEN

Mon to Wed 8.30am to 5.30pm; Thurs 8.30 to 8.00pm

Fri 8.30 to 5.30pm; Sat 9.00am to 4.00pm

Page: 10

photolibrary

Phone: 1800 804 396

Fax: 02 9923 2319

Email: sales@photolibrary.com

Web: www.photolibrary.com

Page: 67

Palaeo graphics

Phone: 1800 BUY MAC (1800 289 622)

Fax: 03 9532 4211

Web: www.palaeographics.com.au

Page: 41



Phone: 08 8362 6161

Fax: 03 9362 9326

Web: www.pelicanaustralia.com

Page: 52



Phone: 07 3876 6101

Fax: 07 3876 3101

Email: info@server101.com

Web: www.server101.com

Page: 74



Phone: 03 9819 2891

Fax: 03 9819 3902

Web: www.streetwise.com.au

Page: 55



Phone: 03 9895 2999

Fax: 03 9898 9355

Page: 75



Phone: 02 9906 5227

Fax: 02 9906 5605

Web: www.tryandbyte.com.au

Email: trynbyte@alpha.net.au

Page: 47



Phone: 02 9905 8797

Fax: 02 9905 4348

Web: www.vitalsupplies.com.au

Email: vitalsales@vitalsupplies.com.au

Page: 20



Phone: 1300 137 140

Fax: 1300 137 141

Web: www.xclusive.com.au

Email: sales@xclusive.com.au

Page: 82



Phone: 03 9693 5111

Fax: 03 9699 2332

Web: www.yamahamusic.com.au

Page: 42



Phone: 08 9721 1125

Fax: 08 9721 1126

Web: www.zytech.com.au

Email: sales@zytech.com.au

Page: 25



Web: www.zcover.com

Email: info@zcover.com

Page: 2 & 3



Something to chew on.

By Alex Rieneck.

The big show is inside your head

IT'S been cold around my neck of the woods recently. So cold, in fact, that last thing at night, my normal hour or two of book reading in bed has become something of a torture. After only ten or so minutes, whichever arm has been holding the book outside the quilt is frozen almost solid into a disturbing claw shape, and I have to switch arms. Then my other arm slowly starts to freeze. I realised the other day that I have been doing exactly that for about four months of the year every year of my life since I learnt to read.

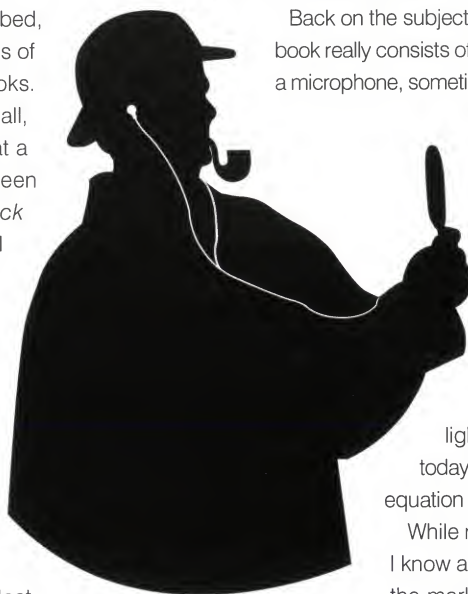
My iPod has changed all that.

Nowadays I lie completely covered up, in my bed, with only my nose poking out, and the earphones of my iPod stuck in my ears, listening to audiobooks. Both my arms remain toasty warm and, best of all, I can rest my eyes after a long day of staring at a PowerBook screen. It's quite blissful. I have been slowly working my way through the *Sherlock Holmes* stories chronologically and, because I am not being kept awake by freezing sides of my body alternately. I am getting more sleep. Sometimes in fact, it takes three days to get through a single story that I could read with my eyes in about fifteen minutes.

The best thing, though, is the way that I can lie in bed and basically watch a huge screen TV in my head with my eyes closed. I mean, I understood that owing an iPod would give me an automatic afro and a (hopefully fatal) case of Saint Vitus' Dance, but the last thing I expected to gain was a new appreciation of exactly how well Arthur Conan Doyle could construct a story. It simply wasn't mentioned in the advertising.

Then again, it's funny the things that simply weren't mentioned in the advertising. I, for one, was surprised by the way that my new nano integrates with iCal and Address Book. I don't know why I was surprised, but I was. I wasn't surprised by the fact that my very next thought was "Well? Why can't I use it to ring people up? What gives?" All I can say is, I hope someone knows.

Some of the other stuff in the nano is just dead weird. Sure, Steve Jobs was involved in the invention of the game Breakout, but is that any reason to prove that the iPod control wheel is without a doubt the worst way ever to play that game? I mean, just barely worse than the spongy Atari 2600 control stick back in 1977? Why?



Hot Links

www.audiobooksforfree.com
www.audible.com
www.blackstoneaudio.com/
 Other sources of audiobooks

As far as that tiny screen goes, I have to wonder at the 4K maximum size for text files that the iPod can read. Is it that Apple's legal types were scared of the ramifications of an "unofficial" eBook reader that lacked DRM protection? Or were they more scared of the idea of a class action suit brought by people who made a habit of reading long books on that tiny screen? Would anyone who managed to read *Crime and Punishment* off a nano screen be capable of suing anyone? As it stands now, I cannot fit even a short story inside 4K, and that irritates me. After all, a nano is a great deal easier to carry than a book.

Back on the subject of books, it is pretty obvious that all an audiobook really consists of is a person who can read, reading a book into a microphone, sometimes well. How is it, then, that audiobooks available from the iTunes Store cost, on average,

about the same as their paper equivalent and double the price of a conventional music album? An album by The Rolling Stones will set you back seventeen bucks, but a book of out of copyright short stories by Edgar Allen Poe comes in at thirty-two. It seems odd to me that a nearly penniless actor reading someone else's words can cost more than a full-on band, and all the blinking lights and groupies that making modern music today apparently entails. Then again, I may have that equation backwards.

While my iPod and the iPods of most of the people I know are chock-a-block with spoken word product, the market itself is so poorly served by an industry that prides itself on 98 percent unemployed actors. Surely, with the available wealth of books that are no longer in copyright, and the fact that iTunes makes distribution costs negligible, one would expect that there would be a glut of everything from the poems of Catullus to the *Arabian Nights* available for immediate download, for a pittance? It seems to me to a sad indictment of the planet that instead the world wades through thousands of "original" Podcasts from basements everywhere.

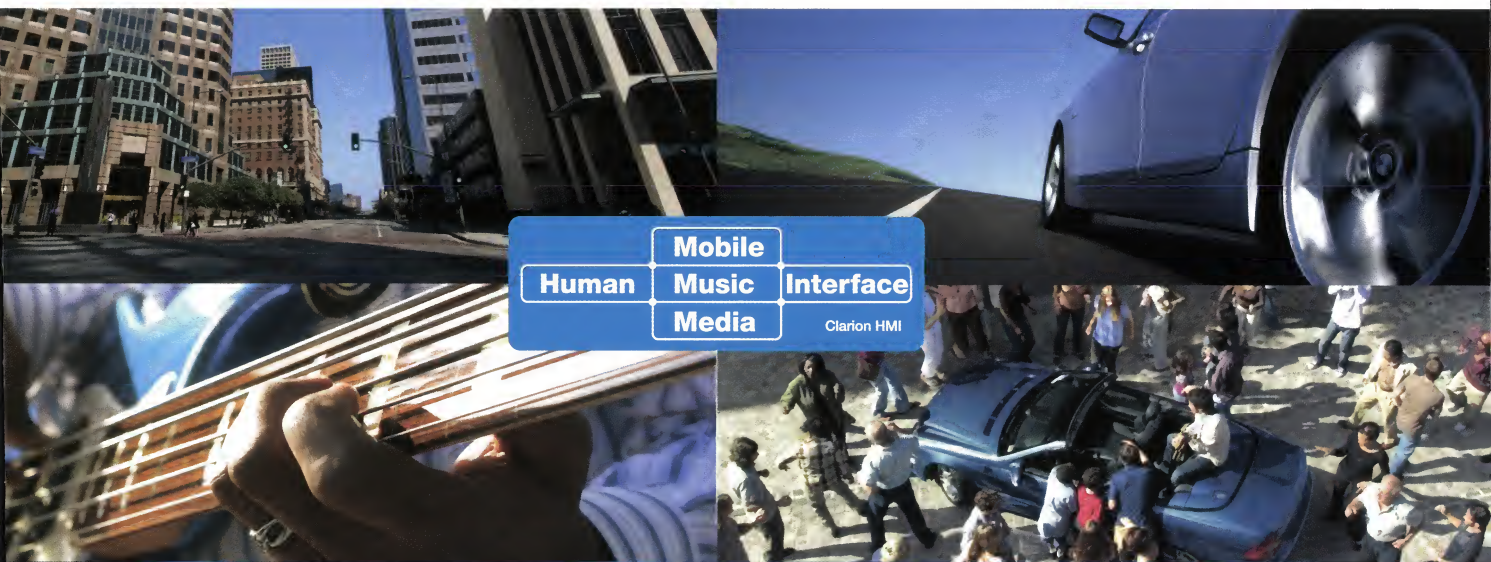
If I have ever seen a cottage industry waiting to be exploited, it is this one. Get working, people and keep the world's arms warm, four months of the year. ☞

Alex Rieneck has been a technology commentator since the days of the bone abacus.

You wont need a Soapbox to reach all the 3D, Digital Photography, Graphics and Publishing software you want: Read the full details, view screenshots, download demos and buy online. Just visit the one site that has the largest range of MacOSX software in Australia...

XClusive
 Software
www.xclusive.com.au

clarion



Clarion. Suits all flash drivers

Are you in the drivers seat when it comes to the coolest and handiest toys and technology? If so, USB Flash Drivers will have caught your eye, giving you compact and easy-to-use portable storage of all your top tunes.

Now, the latest eye-opener in Clarion mobile entertainment is just for you. The new Clarion DB566USB head unit is not only a heavyweight on features, power and style, with a AM/FM stereo tuner and CD-MP3/WMA player, but it also includes a USB port on the front panel. It supports all types of USB media adaptors.

Just plug in and play... and all your favorite tunes can become driving tunes, quick as a flash.

Sound it out at www.clarion.com.au

USB

DB566USB

clarion

Clarion Australia Pty. Ltd.

30 Corporate Drive, Moorabbin, Vic, 3189 Phone: 038558 1115 Fax: 039551 0366

Join the Clarion HMI - Human [Mobile Music Media] Interface- : www.clarion.com.au



COME GET YOUR
Macbook 13.3"
BLACK & WHITE AVAILABLE
APPLE CARE FOR ONLY
\$389



PURCHASE ANY
Macbook Pro 15"
AND GET A **FREE** RAM UPGRADE
&
AIRPORT EXPRESS FOR
\$99




OR PURCHASE ANY
Macbook Pro 17"
AND GET A **FREE** RAM UPGRADE
& **AIRPORT EXPRESS**



**ORDER YOUR OWN
MACBOOK TODAY**



www.itbox.com.au

 **Authorised Solutions Reseller**